


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Ratherford Unit 8-32R				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT GREATER ANETH				
4. TYPE OF WELL Oil Well      Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME RATHERFORD				
6. NAME OF OPERATOR RESOLUTE NATURAL RESOURCES						7. OPERATOR PHONE 303 534-4600				
8. ADDRESS OF OPERATOR 1675 Boradway Ste 1950, Denver, CO, 80202						9. OPERATOR E-MAIL pflynn@resoluteenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-603-368			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Navajo			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2016 FNL 1928 FEL		SWNE	8	41.0 S	24.0 E	S		
Top of Uppermost Producing Zone		2016 FNL 1928 FEL		SWNE	8	41.0 S	24.0 E	S		
At Total Depth		2016 FNL 1928 FEL		SWNE	8	41.0 S	24.0 E	S		
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 2130			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 83			26. PROPOSED DEPTH MD: 5815 TVD: 5815				
27. ELEVATION - GROUND LEVEL 4600			28. BOND NUMBER B001252			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 09-1428				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	20	16	0 - 90	48.0	H-40 ST&C	8.3	Unknown	115	1.17	15.6
SURF	14.75	10.75	0 - 1960	40.5	J-55 ST&C	8.3	Premium Lite High Strength	505	1.96	12.3
							Type V	175	1.18	15.6
PROD	9.875	7	0 - 5435	26.0	J-55 LT&C	8.3	50/50 Poz	765	1.41	13.1
							Type V	175	1.18	15.6
							50/50 Poz	620	1.41	13.1
							Type V	50	1.18	15.6
OPEN	6.125	0	0 - 5815	0.0	No Pipe Used	0.0	No Used	0	0.0	0.0
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Brian Wood				TITLE Consultant			PHONE 505 466-8120			
SIGNATURE				DATE 02/17/2012			EMAIL brian@permitswest.com			
API NUMBER ASSIGNED 43037500250000				APPROVAL   Permit Manager						

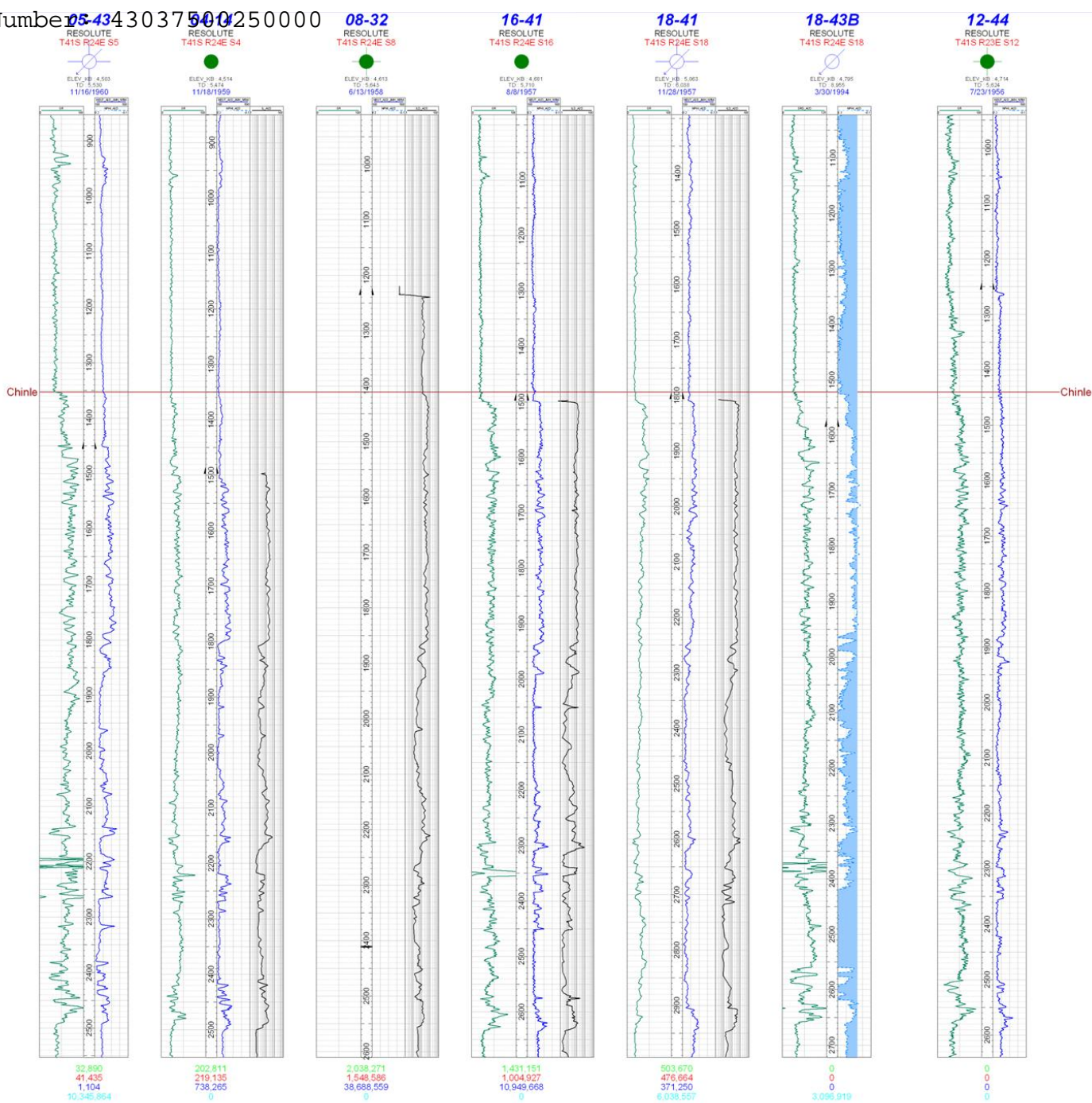
The Top Chinle listed on the Ratherford Unit 8-32R APD was found to be erroneous based on a review of log picks in the area, and should be revised from 1913' to 1410'.

The original estimate for the Top Chinle provided on the RU 8-32R APD appears to have been based on an anomalous pick (source unknown) in the nearby RU 9-12. However, a quick comparison of this top to verified picks in the surrounding region showed the Chinle top in the 9-12 to be about 500' deeper than nearby tops and prompted further investigation.

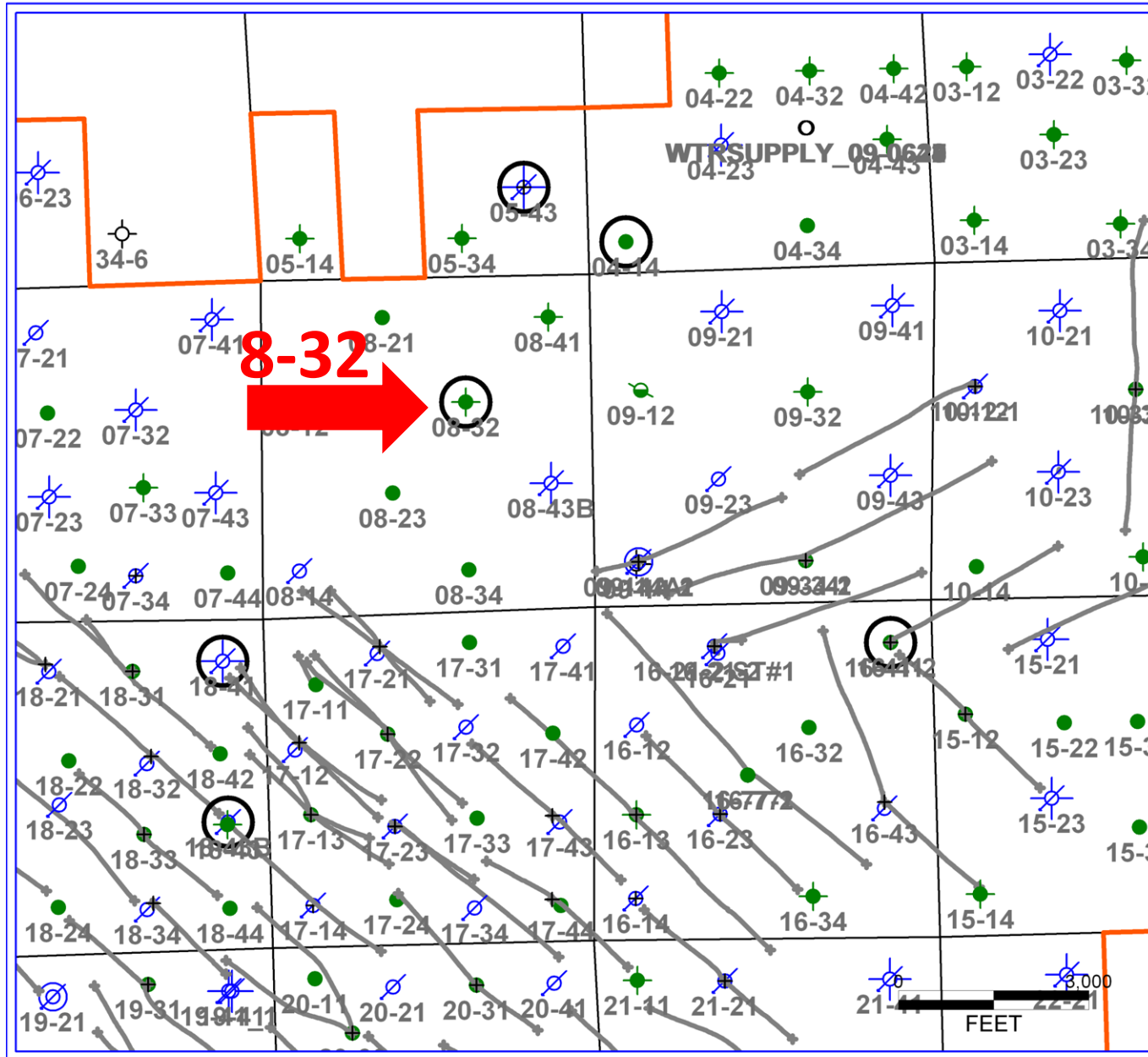
The Chinle is most reliably picked based on the gamma ray curve; unfortunately, none of the wells in Section 8 have gamma ray data covering the shallow formations. However, induction logs were run in the shallow portion of the original 8-32 wellbore. Though induction data are less reliable for correlation of the Chinle top, a few deeper markers can be correlated and a reasonably accurate estimate for the Top Chinle obtained using the induction log.

Induction data from the 8-32 (black curve; see cross section next page) was correlated to induction data in nearby wells for which this data was available. Correlation wells also contained gamma ray (green curve) and neutron (blue curves) data that could in turn be correlated to wells in the region that had been thoroughly researched and established as Chinle type logs.

The Chinle top in the 8-32 may be represented by a slight deflection in the induction curve at around 1410'. It is difficult to verify this pick, since offset wells were cased below the top of the Chinle and thus do not have induction data across this interval. However, log markers between 1850'-2500' MD in the 8-32 correlate well to offset logs and support and estimate of around 1410' for the Top Chinle in this well.



## Wells with shallow logs and Chinle picks



Form 3160-5  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS****Do not use this form for proposals to drill or to re-enter an abandoned well.  
Use Form 3160-3 (APD) for such proposals.****Bold\*** fields are required.

Section 1 - Completed by Operator	
<b>1. BLM Office*</b> Indian Farmington, NM	<b>2. Well Type*</b> OIL
<b>3. Submission Type*</b> <input checked="" type="radio"/> Notice of Intent <input type="radio"/> Subsequent Report <input type="radio"/> Final Abandonment Notice	<b>4. Action*</b> Change to Original APD
Operating Company Information	
<b>5. Company Name*</b> RESOLUTE NATURAL RESOURCES	
<b>6. Address*</b> 1675 BROADWAY SUITE 1950  DENEVR CO 80202	<b>7. Phone Number*</b> 303-534-4600
Administrative Contact Information	
<b>8. Contact Name*</b> DWIGHT _ MALLORY	<b>9. Title*</b> EH&S COORDINATOR
<b>10. Address*</b> 1675 BROADWAY SUITE 1950  DENVER CO 80202	<b>11. Phone Number*</b> 303-573-4886 1165
	<b>12. Mobile Number</b> 970-302-8620
<b>13. E-mail*</b> dmallory@resoluteenergy.com	<b>14. Fax Number</b> 303-623-3628
Technical Contact Information	
<input type="checkbox"/> Check here if Technical Contact is the same as Administrative Contact.	
<b>15. Contact Name*</b> DONNIE _ TRIMBLE	<b>16. Title*</b> DRILLING & MAINTENANCE MANAGER
<b>17. Address*</b> 23429 COUNTY ROAD G  CORTEZ CO 81321	<b>18. Phone Number*</b> 970-564-5200 2120
	<b>19. Mobile Number</b> 970-371-6753
<b>20. E-mail*</b> dtrimble@resoluteenergy.com	<b>21. Fax Number</b> 970-564-5234

Lease and Agreement			
<b>22. Lease Serial Number*</b> 1420603368			
24. If Unit or CA/Agreement, Name and/or Number RATHERFORD UNIT		<b>25. Field and Pool, or Exploratory Area*</b> GREATER ANETH	
County and State for Well			
<b>26. County or Parish, State*</b> SAN JUAN UT			
Associated Well Information			
27. Specify well using one of the following methods: a) Well Name, Well Number, API Number, Section, Township, Range, Qtr/Qtr, N/S Footage, E/W Footage b) Well Name, Well Number, API Number, Latitude, Longitude, Metes & Bounds description			
<b>Well Name*</b> RATHERFORD UNIT		<b>Well Number*</b> 8-32R	API Number 43-037-50025
Section 8	Township 41S	Range 24E	Meridian SALT LAKE BASIN
Qtr/Qtr SWNE	N/S Footage 2016 FNL		E/W Footage 1928 FEL
Latitude _____	Longitude _____	Metes and Bounds	
<b>28. Describe Proposed or Completed Operation</b> Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all markers and zones. Attach the Bond under which the work will be performed or provide the Bond Number on file pertinent with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.  Resolute is revising the anticipated top listed for the Chinle in the original APD from 1,913' GL to 1,410' GL and proposes to revise the surface casing set depth from 1,963'GL to 1,460'GL.  Supporting documentation for this change is attached.			

I hereby certify that the foregoing is true and correct.	
<b>29. Name*</b> DWIGHT _ MALLORY	<b>30. Title</b> EH&S COORDINATOR
<b>31. Date*</b> (MM/DD/YYYY) 04/03/2012 <span style="border: 1px solid black; padding: 2px;">Today</span>	<b>32. Signature*</b> <i>You have the ability to sign this form only if a SmartCard or digital certificate has been issued to you.</i> <div style="border: 1px solid blue; padding: 5px; display: inline-block;"> <i>Signed</i> </div>
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

### Section 2 - System Receipt Confirmation

<b>33. Transaction</b> _____	<b>34. Date Sent</b> _____	<b>35. Processing Office</b> _____
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### Section 3 - Internal Review #1 Status

<b>36. Review Category</b> _____	<b>37. Date Completed</b> _____	<b>38. Reviewer Name</b> _____
<b>39. Comments</b>		

### Section 4 - Internal Review #2 Status

<b>40. Review Category</b> _____	<b>41. Date Completed</b> _____	<b>42. Reviewer Name</b> _____
<b>43. Comments</b>		

### Section 5 - Internal Review #3 Status

<b>44. Review Category</b> _____	<b>45. Date Completed</b> _____	<b>46. Reviewer Name</b> _____
<b>47. Comments</b>		



**Section 6 - Internal Review #4 Status**

48. Review Category _____	49. Date Completed _____	50. Reviewer Name _____
51. Comments   		

**Section 7 - Final Approval Status**

52. Disposition _____	53. Date Completed _____	54. Reviewer Name _____	55. Reviewer Title _____
56. Comments   			

**GENERAL INSTRUCTIONS**

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard local area, or regional procedures and practices, either are shown below will be issued by, or may be obtained from the local Federal office.

**SPECIFIC INSTRUCTIONS**

*Item 27* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 28* - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

**NOTICE**

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.**

**PRINCIPAL PURPOSE:** The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

**ROUTINE USES:** Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed



the Government.

**EFFECT OF NOT PROVIDING THE INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

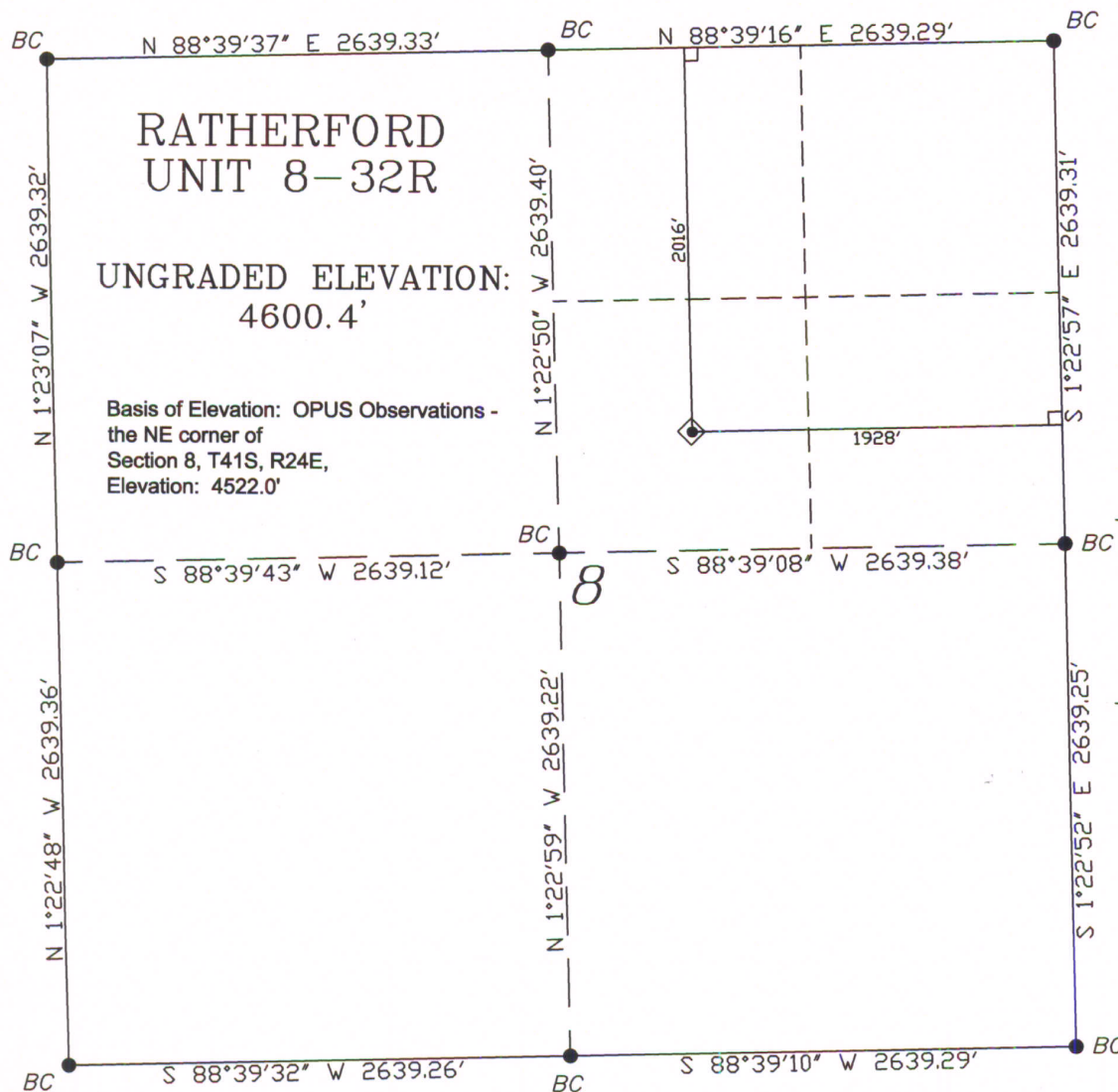
This information is being collected to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

#### **BURDEN HOURS STATEMENT**

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0135), Bureau Information Collection Clearance Officer, (WO-630), Mail Stop 401 LS, 1849 C St., N.W., LS, Washington D.C. 20240

**R. 24 E.**

SCALE: 1" = 1000'

**T. 41 S.**

LATITUDE (NAD27)  
NORTH 37.238518 DEG.  
LONGITUDE (NAD27)  
WEST 109.302311 DEG.

LATITUDE (NAD83)  
NORTH 37.2385167 DEG.  
LONGITUDE (NAD83)  
WEST 109.3029821 DEG.

NORTHING  
215734.15  
EASTING  
2639740.60

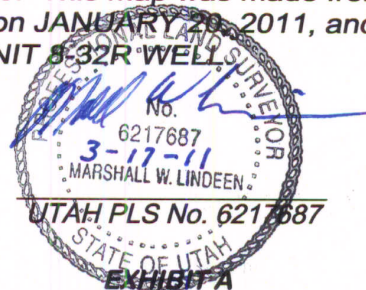
DATUM  
UTAH SP SOUTH

**SURVEYOR'S STATEMENT:**

I, Marshall W. Lindeen, of Farmington, New Mexico, hereby state: This map was made from notes taken during an actual survey under my direct supervision on JANUARY 28, 2011, and it correctly shows the location of the proposed RATHERFORD UNIT 8-32R WELL.

**NOTES**

- ◆ PROPOSED WELL LOCATION
- FOUND MONUMENT
- L DENOTES 90° TIE



**PLAT OF PROPOSED WELL LOCATION  
FOR  
RESOLUTE NATURAL RESOURCES COMPANY**

P.O. BOX 3651  
FARMINGTON, N.M.  
(505) 334-0408

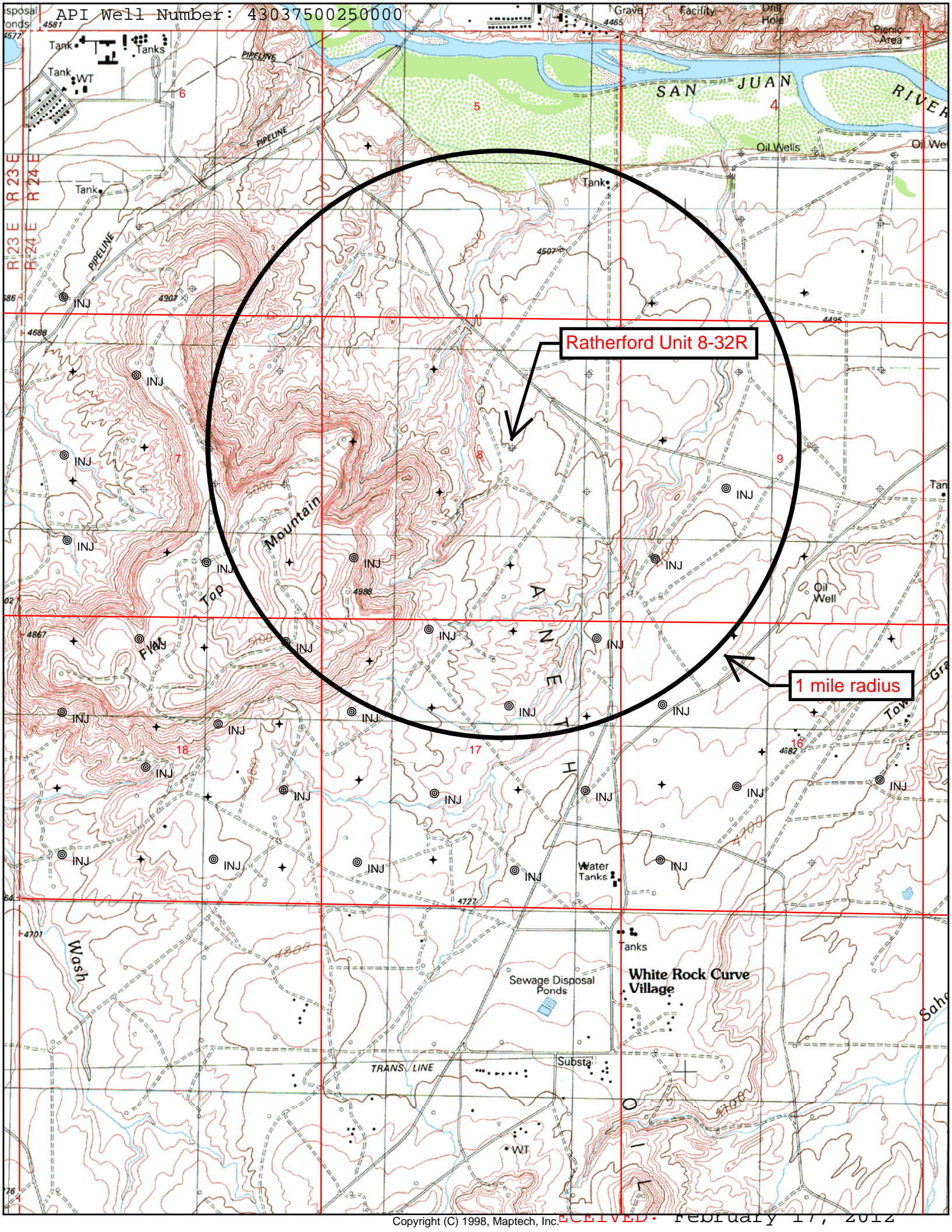
SCALE: 1" = 1000'

JOB No. 9895

DATE: 1/31/11

**2016' F/NL & 1928' F/EL, SECTION 8,  
T. 41 S, R. 24 E, SALT LAKE MERIDIAN  
SAN JUAN COUNTY, UTAH**



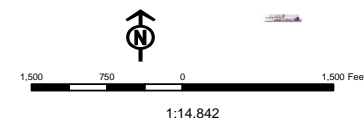
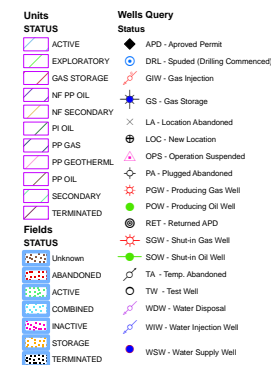


Ratherford Unit 8-32R

1 mile radius



Map Produced by Diana Mason



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/17/2012

API NO. ASSIGNED: 43037500250000

WELL NAME: Ratherford Unit 8-32R

OPERATOR: RESOLUTE NATURAL RESOURCES (N2700)

PHONE NUMBER: 505 466-8120

CONTACT: Brian Wood

PROPOSED LOCATION: SWNE 08 410S 240E

Permit Tech Review: ☒

SURFACE: 2016 FNL 1928 FEL

Engineering Review: ☒

BOTTOM: 2016 FNL 1928 FEL

Geology Review: ☒

COUNTY: SAN JUAN

LATITUDE: 37.23852

LONGITUDE: -109.30288

UTM SURF EASTINGS: 650536.00

NORTHINGS: 4122682.00

FIELD NAME: GREATER ANETH

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-603-368

PROPOSED PRODUCING FORMATION(S): DESERT CREEK

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: INDIAN - B001252
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 09-1428
- ☐ RDCC Review:
- ☐ Fee Surface Agreement
- ☒ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

- ☐ R649-2-3.
- Unit: RATHERFORD
- ☐ R649-3-2. General
- ☐ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: Cause 152-06
- Effective Date: 7/6/1998
- Siting: Suspends General Siting
- ☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet  
4 - Federal Approval - dmason

RECEIVED: May 24, 2012



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Ratherford Unit 8-32R

**API Well Number:** 43037500250000

**Lease Number:** 14-20-603-368

**Surface Owner:** INDIAN

**Approval Date:** 5/24/2012

### Issued to:

RESOLUTE NATURAL RESOURCES, 1675 Boradway Ste 1950, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 152-06. The expected producing formation or pool is the DESERT CREEK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### Commingle:

In accordance with Board Cause No. 63, commingling of the production from the Lower Ismay formation and the Desert Creek formation in this well is allowed.

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

### Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

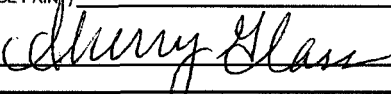
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-368
2. NAME OF OPERATOR: Resolute Natural Resources		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: 1675 Broadway, Ste 1950 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Ratherford
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2016 FNL, 1928 FEL		8. WELL NAME and NUMBER: Ratherford Unit 8-32R
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 8 41S 24E S		9. API NUMBER: 4303750025
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/2/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources submits that well was spud on April 2, 2012.

NAME (PLEASE PRINT) Sherry Glass	TITLE Sr. Regulatory Technician
SIGNATURE 	DATE 4/5/2012

(This space for State use only)

RECEIVED

APR 11 2012

DIV. OF OIL, GAS & MINING

Well Name: **Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		
Job Category Drilling		Primary Job Type Drilling - re-entry		Secondary Job Type			
Start Date 4/1/2012		End Date		AFE Number 10011002			
Objective The Ratherford Unit Team recommends re-drilling a vertical well, the 8-32R, completing entire wellbore, and producing primary, secondary & eventually tertiary reserves. The primary target is the DC-IIC subzone with additional upside in the Lower Ismay, DC-IC, DC-IIA, DC-IIB & DC-III.							
Contractor DJ Drilling			Rig Number 1		Rig Type		
Report Start Date 2/15/2012	Report End Date 2/15/2012	Operations Summary Remove guy wire off power pole for location prep					
Report Start Date 2/17/2012	Report End Date 2/17/2012	Operations Summary Jr Construction, reset anchor and resecured the power pole where location was prep for drilling, MOTE set and test 4 Anchors to 25K, test okay, Installed 4 marker and 4 Anchor tags					
Report Start Date 4/1/2012	Report End Date 4/2/2012	Operations Summary load out rig & equipment from Ratherford 20-22H to location miru rig & spot equipment, raised derrick @ 1100 hrs nu 20" flange & bell nipple, rig up all lines to closed loop pits, fill storage & pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am weld up 16" riser to rotating head & flow T, ru gas buster lines, ru hcr valve for diverter & 6" blooie line to lined pit complete nipple up of flow T to shakers drill rathole & mousehole, rack out & tally drill collars & drill pipe bha					
Dur (hrs)		Comment					
		2.00 load out rig & equipment from Ratherford 20-22H to location 3.00 miru rig & spot equipment, raised derrick @ 1100 hrs 4.00 nu 20" flange & bell nipple, rig up all lines to closed loop pits, fill storage & pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am 7.00 weld up 16" riser to rotating head & flow T, ru gas buster lines, ru hcr valve for diverter & 6" blooie line to lined pit 3.00 complete nipple up of flow T to shakers 5.00 drill rathole & mousehole, rack out & tally drill collars & drill pipe bha					
Report Start Date 4/2/2012	Report End Date 4/3/2012	Operations Summary cont racking out drill collars & drillpipe, Pu & mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor Pu & rih w/bit, mtr, 6' stripping rubber & 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit ran w/ survey @ 90' 1 degree drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs change out stripping rubber for 6 1/2" dc & 4 1/2" dp drill 248' - 339' w/8 pts on bit 135 rpm @ bit ran w/survey @ 274' 1 degree drill 339' - 497' w/8 pts on bit, 135 rpm @ bit ran w/ survey @ 390' 1 degree drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph ran w/ survey @ 541' 1 degree drill 608' - 761' w/10 pts on bit, 135 rpm @ bit ran w/ survey @ 691' 1 1/2 degrees drill 761' - 915' w/10 pts on bit 135 rpm @ bit ran w/ survey @ 843' 2 1/4 degrees reduced wob to 8 pts & increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc & 4-4 1/2" hvwt dp ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 & s					
Dur (hrs)		Comment					
		1.50 cont racking out drill collars & drillpipe, 0.50 Pu & mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor 2.00 Pu & rih w/bit, mtr, 6' stripping rubber & 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit 0.50 ran w/ survey @ 90' 1 degree 1.00 drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs 1.00 change out stripping rubber for 6 1/2" dc & 4 1/2" dp 1.00 drill 248' - 339' w/8 pts on bit 135 rpm @ bit 0.50 ran w/survey @ 274' 1 degree 1.25 drill 339' - 497' w/8 pts on bit, 135 rpm @ bit 0.50 ran w/ survey @ 390' 1 degree 1.75 drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph 0.50 ran w/ survey @ 541' 1 degree 1.50 drill 608' - 761' w/10 pts on bit, 135 rpm @ bit 0.50 ran w/ survey @ 691' 1 1/2 degrees 2.00 drill 761' - 915' w/10 pts on bit 135 rpm @ bit 0.50 ran w/ survey @ 843' 2 1/4 degrees 2.00 reduced wob to 8 pts & increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc & 4-4 1/2" hvwt dp 0.50 ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit					

Well Name: **Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00		KB-Casing Flange Distance (ft)		Well Spud Date/Time	Rig Release Date/Time

Dur (hrs)		Comment
		2.25 drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system 0.75 drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin 2.00 recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 & start adding bar to increase fluid wt to 8.6 - 8.8 ppg
Report Start Date 4/3/2012	Report End Date 4/4/2012	Operations Summary condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condition drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections ran w/ survey @ 1155' 1 degree drill f/1227' - 1475' td, ran w/ survey @ 1475' 1 3/4 degrees, ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe start tooth w/dp
Dur (hrs)		Comment
		4.00 condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off 0.50 pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condition 5.00 drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections 0.50 ran w/ survey @ 1155' 1 degree 11.50 drill f/1227' - 1475' td 0.50 ran w/ survey @ 1475' 1 3/4 degrees 1.00 ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe 1.00 start tooth w/dp
Report Start Date 4/4/2012	Report End Date 4/5/2012	Operations Summary cont tooth w/drillpipe & collars, ld 4 - 8" collars well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t, returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job, jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok) pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls, pumped 37.1 bbls tail @ 15.8 # 1.16 yield, 4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug calculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar, shut well in with 270 psi, r/u to pump down back side, pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange, woc checked for cement falling @ 0100 hrs it seems to be holding
Dur (hrs)		Comment
		1.50 cont tooth w/drillpipe & collars, ld 4 - 8" collars 1.50 well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t, 2.00 returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing 4.00 ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew 1.00 spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job, 0.50 jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok) 2.00 pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls, pumped 37.1 bbls tail @ 15.8 # 1.16 yield, 4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug calculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar 0.50 shut well in with 270 psi, r/u to pump down back side 1.00 pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange 10.00 woc checked for cement falling @ 0100 hrs it seems to be holding

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-368
2. NAME OF OPERATOR: Resolute Natural Resources		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: 1675 Broadway, Ste 1950 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: Ratherford
PHONE NUMBER: (303) 573-4886		8. WELL NAME and NUMBER: Ratherford Unit 8-32R
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2016 FNL, 1928 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 8 41S 24E S		9. API NUMBER: 4303750025
COUNTY: San Juan		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/2/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources submits that well was spud on April 2, 2012. Current status is drilling ahead.

RECEIVED

APR 19 2012

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Sherry Glass	TITLE Sr. Regulatory Technician
SIGNATURE <i>Sherry Glass</i>	DATE 4/17/2012

(This space for State use only)

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		
Job Category Drilling	Primary Job Type Drilling - re-entry	Secondary Job Type					
Start Date 4/1/2012	End Date	AFE Number 10011002					
Objective The Ratherford Unit Team recommends re-drilling a vertical well, the 8-32R, completing entire wellbore, and producing primary, secondary & eventually tertiary reserves. The primary target is the DC-IIC subzone with additional upside in the Lower Ismay, DC-IC, DC-IIA, DC-IIB & DC-III.							
Contractor DJ Drilling		Rig Number 1		Rig Type			
Report Start Date 2/15/2012	Report End Date 2/15/2012	Operations Summary Remove guy wire off power pole for location prep					
Report Start Date 2/17/2012	Report End Date 2/17/2012	Operations Summary Jr Construction, reset anchor and resecured the power pole where location was prep for drilling, MOTE set and test 4 Anchors to 25K, test okay, Installed 4 marker and 4 Anchor tags					
Report Start Date 4/1/2012	Report End Date 4/2/2012	Operations Summary load out rig & equipment from Ratherford 20-22H to location miru rig & spot equipment, raised derrick @ 1100 hrs nu 20" flange & bell nipple, rig up all lines to closed loop pits, fill storage & pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am weld up 16" riser to rotating head & flow T, ru gas buster lines, ru hcr valve for diverter & 6" bloolie line to lined pit complete nipple up of flow T to shakers drill rathole & mousehole, rack out & tally drill collars & drill pipe bha					
Dur (hrs)		Comment					
		2.00 load out rig & equipment from Ratherford 20-22H to location 3.00 miru rig & spot equipment, raised derrick @ 1100 hrs 4.00 nu 20" flange & bell nipple, rig up all lines to closed loop pits, fill storage & pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am 7.00 weld up 16" riser to rotating head & flow T, ru gas buster lines, ru hcr valve for diverter & 6" bloolie line to lined pit 3.00 complete nipple up of flow T to shakers 5.00 drill rathole & mousehole, rack out & tally drill collars & drill pipe bha					
Report Start Date 4/2/2012	Report End Date 4/3/2012	Operations Summary cont racking out drill collars & drillpipe, Pu & mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor Pu & rih w/bit, mtr, 6' stripping rubber & 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit ran w/ survey @ 90' 1 degree drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs change out stripping rubber for 6 1/2" dc & 4 1/2" dp drill 248' - 339' w/8 pts on bit 135 rpm @ bit ran w/survey @ 274' 1 degree drill 339' - 497' w/8 pts on bit, 135 rpm @ bit ran w/ survey @ 390' 1 degree drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph ran w/ survey @ 541' 1 degree drill 608' - 761' w/10 pts on bit, 135 rpm @ bit ran w/ survey @ 691' 1 1/2 degrees drill 761' - 915' w/10 pts on bit 135 rpm @ bit ran w/ survey @ 843' 2 1/4 degrees reduced wob to 8 pts & increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc & 4-4 1/2" hwvt dp ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 & s					
Dur (hrs)		Comment					
		1.50 cont racking out drill collars & drillpipe, 0.50 Pu & mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor 2.00 Pu & rih w/bit, mtr, 6' stripping rubber & 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit 0.50 ran w/ survey @ 90' 1 degree 1.00 drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs 1.00 change out stripping rubber for 6 1/2" dc & 4 1/2" dp 1.00 drill 248' - 339' w/8 pts on bit 135 rpm @ bit 0.50 ran w/survey @ 274' 1 degree 1.25 drill 339' - 497' w/8 pts on bit, 135 rpm @ bit 0.50 ran w/ survey @ 390' 1 degree 1.75 drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph 0.50 ran w/ survey @ 541' 1 degree 1.50 drill 608' - 761' w/10 pts on bit, 135 rpm @ bit 0.50 ran w/ survey @ 691' 1 1/2 degrees 2.00 drill 761' - 915' w/10 pts on bit 135 rpm @ bit 0.50 ran w/ survey @ 843' 2 1/4 degrees 2.00 reduced wob to 8 pts & increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc & 4-4 1/2" hwvt dp 0.50 ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit					

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

Dur (hrs)	Comment
2.25	drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system
0.75	drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin
2.00	recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 & start adding bar to increase fluid wt to 8.6 - 8.8 ppg

Report Start Date 4/3/2012	Report End Date 4/4/2012	Operations Summary condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condition drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections ran w/ survey @ 1155' 1 degree drill f/1227' - 1475' td, ran w/ survey @ 1475' 1 3/4 degrees, ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe start tooh w/dp
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Dur (hrs)	Comment
4.00	condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off
0.50	pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condition
5.00	drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections
0.50	ran w/ survey @ 1155' 1 degree
11.50	drill f/1227' - 1475' td
0.50	ran w/ survey @ 1475' 1 3/4 degrees
1.00	ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe
1.00	start tooh w/dp

Report Start Date 4/4/2012	Report End Date 4/5/2012	Operations Summary cont tooh w/drillpipe & collars, ld 4 - 8" collars well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t, returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job, jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok) pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls, pumped 37.1 bbls tail @ 15.8 # 1.16 yield, 4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug calculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar, shut well in with 270 psi, r/u to pump down back side, pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange, woc checked for cement falling @ 0100 hrs it seems to be holding
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Dur (hrs)	Comment
1.50	cont tooh w/drillpipe & collars, ld 4 - 8" collars
1.50	well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t,
2.00	returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing
4.00	ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew
1.00	spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job,
0.50	jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok)
2.00	pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls, pumped 37.1 bbls tail @ 15.8 # 1.16 yield, 4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug calculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar
0.50	shut well in with 270 psi, r/u to pump down back side
1.00	pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange
10.00	woc checked for cement falling @ 0100 hrs it seems to be holding

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

Report Start Date 4/5/2012	Report End Date 4/6/2012	Operations Summary woc get bop under sub clean bolts get ready to nipple up. cut conductor, 10 3/4 surface cut off 20 ft, weld well head on surface pipe. test well head 1000 psi for 5 mins (ok) n/u bop, hydrill, rotating head, choke manifold, flow line, notified blm farmington n.m of bop test got no call back from them. test bop, hydrill, chock manifold, acr valve wouldn't test had one hot shoted from weatherford, replace pipe ram rubbers, tested pipe rams, blind rams, choke manifold, @ 250 psi low for 5mins, 2000 psi for 10 mins, tested annular @ 250 low for 5 mins, 1500 psi for 10 mins, tested csg 600 psi for 30 mins, funtion test accumulator. tih with 10 stds dril collors, 2 sdts whdp, 10 stds d/p pick up 4 jts d/p.
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Dur (hrs)	Comment
	2.50 woc get bop under sub clean bolts get ready to nipple up. 6.00 cut conductor, 10 3/4 surface cut off 20 ft, weld well head on surface pipe. 0.50 test well head 1000 psi for 5 mins (ok) 4.00 n/u bop, hydrill, rotating head, choke manifold, flow line, notified blm farmington n.m of bop test got no call back from them. 9.00 test bop, hydrill, chock manifold, acr valve wouldn't test had one hot shoted from weatherford, replace pipe ram rubbers, tested pipe rams, blind rams, choke manifold, @ 250 psi low for 5mins, 2000 psi for 10 mins, tested annular @ 250 low for 5 mins, 1500 psi for 10 mins, tested csg 600 psi for 30 mins, funtion test accumulator. 2.00 tih with 10 stds dril collors, 2 sdts whdp, 10 stds d/p pick up 4 jts d/p.

Report Start Date 4/6/2012	Report End Date 4/7/2012	Operations Summary cont tih taged cement @ 1067' float collar set @ 1432, we got 365' cement on top of float collar. drlg cement, bit # 2-97/8 reed m4214cp, ser # lw5114, 3-18 jets, with 1-16 center jet circ, tooh 11 stds d/p, 2 stds hwdp, 10 stds 6 1/2' d/c, jsa with wire line crew, r/u wire line. Run in hole with logging tool, log casing, cement around casing ok. r/d wire line crew, p/u motor, make up tih, drlg cement f/1461 to 1478, pump cement water from pits and hole to res pit dril f/1478 to 1540 wob15, rotate 60, pump # 1 130 spm, psi 1000. rop 15 to 20 fph will take survey around 1600 ft and adjust wob, rotate from there
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Dur (hrs)	Comment
	2.00 cont tih taged cement @ 1067' float collar set @ 1432, we got 365' cement on top of float collar. 8.00 drlg cement, bit # 2-97/8 reed m4214cp, ser # lw5114, 3-18 jets, with 1-16 center jet. 0.50 circ 2.00 tooh 11 stds d/p, 2 stds hwdp, 10 stds 6 1/2' d/c 1.00 jsa with wire line crew, r/u wire line. Run in hole with logging tool, log casing, cement around casing ok. 0.50 r/d wire line crew 2.00 p/u motor, make up tih 1.00 drlg cement f/1461 to 1478 2.00 pump cement water from pits and hole to res pit 5.00 dril f/1478 to 1540 wob15, rotate 60, pump # 1 130 spm, psi 1000. rop 15 to 20 fph will take survey around 1600 ft and adjust wob, rotate from there

Report Start Date 4/7/2012	Report End Date 4/8/2012	Operations Summary drlg f/ 1540 to 1603, survey @ 1535 1 deg, drlg f/1603 to 1915 change wt on bit from 15000 to 25000 rop went from 18ft per hr to 40 ft per hr will survey again in 300 ft, survey @ 1844 1 deg, serv rig, drlg f/1915 to 2230, survey @ 2158 2 deg, drlg f/2230 to 2386 back off wt on bit to 18000, survey @ 2315 11/2 deg
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Dur (hrs)	Comment
	4.00 drlg f/ 1540 to 1603 0.50 survey @ 1535 1 deg 9.50 drlg f/1603 to 1915 change wt on bit from 15000 to 25000 rop went from 18ft per hr to 40 ft per hr will survey again in 300 ft 0.50 survey @ 1844 1 deg, serv rig 6.00 drlg f/1915 to 2230 0.50 survey @ 2158 2 deg 2.50 drlg f/2230 to 2386 back off wt on bit to 18000 0.50 survey @ 2315 11/2 deg

Report Start Date 4/8/2012	Report End Date 4/9/2012	Operations Summary drlg f/ 2386 to 2544, survey @ 2477 2 deg, drlg f/ 2544 to 2732, work tight hole f/2732 to 2660 hole sloffing on us, cleaned up hole maid conn, drlg f/2732 to 2793 build vis up to 40 again, dawn crew added h2o to there pits, survey @ 2723 1.5 deg, drlg f/2793 to 2856
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Dur (hrs)	Comment
	5.50 drlg f/ 2386 to 2544 0.50 survey @ 2477 2 deg 4.50 drlg f/ 2544 to 2732 2.00 work tight hole f/2732 to 2660 hole sloffing on us, cleaned up hole maid conn 5.50 drlg f/2732 to 2793 build vis up to 40 again, dawn crew added h2o to there pits 0.50 survey @ 2723 1.5 deg 5.50 drlg f/2793 to 2856



**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000		Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical	
Ground Elevation (ft) 4,613.00		Casing Flange Elevation (ft)		KB-Ground Distance (ft) 0.00		KB-Casing Flange Distance (ft)		Well Spud Date/Time	Rig Release Date/Time
Report Start Date 4/9/2012		Report End Date 4/10/2012		Operations Summary drlg f/2856 to 2919, survey @ 2848 11/2 deg, drlg f/2919 to 2950, drlg f/2950 to 3104, survey @ 3033 @ 21/4 deg, drlg f/3104 to 3120 had drill back off wt on bit from 27000, to 25000					
Dur (hrs)		Comment							
		7.00 drlg f/2856 to 2919 0.50 survey @ 2848 11/2 deg 2.50 drlg f/2919 to 2950 13.00 drlg f/2950 to 3104 0.50 survey @ 3033 @ 21/4 deg 0.50 drlg f/3104 to 3120 had drill back off wt on bit from 27000, to 25000							
Report Start Date 4/10/2012		Report End Date 4/11/2012		Operations Summary drill f/3120 to 3267' w/26 pts on bit, rop avg 12.5 fph, 140 rpm @ bit, drill f/3267' - 3279', ran wl survey @ 3220' 3 1/2 degrees, drill f/3279' - 3355' lowered wob 2 pts to 24k to straighten hole, will survey again in 2 kellys down, ran wl survey @ 3282' 3 degrees, drill f/3355' - 3380' w/24 pts on bit, 140 rpm @ bit, returns 100% shale, mud weight 9.6 vis 46 ph 9 water loss 14					
Dur (hrs)		Comment							
		12.00 drill f/3120 to 3267' w/26 pts on bit, rop avg 12.5 fph, 140 rpm @ bit 2.25 drill f/3267' - 3279' 0.50 ran wl survey @ 3220' 3 1/2 degrees 6.00 drill f/3279' - 3355' lowered wob 2 pts to 24k to straighten hole, will survey again in 2 kellys down 0.50 ran wl survey @ 3282' 3 degrees 2.75 drill f/3355' - 3380' w/24 pts on bit, 140 rpm @ bit, returns 100% shale, mud weight 9.6 vis 46 ph 9 water loss 14							
Report Start Date 4/11/2012		Report End Date 4/12/2012		Operations Summary drill f/3380' - 3402' w/24 pts on bit, rop dropping steadily to 6 fph, decide to make bit trip, bit has 129 hrs, hang back kelly & tooh w/16 stds of 4 1/2" dp, hole sticky, rih w/1 std & circ 45 mins to slick up hole, cont tooh w/26 more stds dp, 2 stds 4 1/2" hvywt dp, 10 stds 6 1/2" dcs, xo, motor & 9 7/8" bit, bit outer teeth worn, bearings tight, would not re-run bit, Id motor & bit, mu new Reed 9 7/8bit, Mod R25AP mtr, xo, 10 stds 6 1/2" dc, 2 stds 4 1/2" hvywt dp, 26 stds 4 1/2" dp, tag ledge @ 2425', kelly up & ream thru shale section, hang back kelly, Id 8 jts dp, tih w/4 stds dp, ream & circ w/ singles thru tight hole section from 2425' - 2712', cont tih w/dp stds to 3402', drill 3402' - 3420', ran wl survey @ 3344' 3 degrees, drill 3420' - 3468' w/24 pts on bit, 140 rpm, 80% sandstone 20% shale, mud weight 9.7 ppg, vis 46, ph 10, water loss 14					
Dur (hrs)		Comment							
		4.00 drill f/3380' - 3402' w/24 pts on bit, rop dropping steadily to 6 fph, decide to make bit trip, bit has 129 hrs, hang back kelly & tooh w/16 stds of 4 1/2" dp, hole sticky, rih w/1 std & circ 45 mins to slick up hole, cont tooh w/26 more stds dp, 2 stds 4 1/2" hvywt dp, 10 stds 6 1/2" 4.00 dcs, xo, motor & 9 7/8" bit, bit outer teeth worn, bearings tight, would not re-run bit, Id motor & bit, mu new Reed 9 7/8bit, Mod R25AP mtr, xo, 10 stds 6 1/2" dc, 2 stds 4 1/2" hvywt dp, 26 stds 4 1/2" dp, tag ledge @ 2425', kelly up & ream 8.50 thru shale section, hang back kelly, Id 8 jts dp, tih w/4 stds dp, ream & circ w/ singles thru tight hole section from 2425' - 2712', cont tih w/dp stds to 3402' 2.00 drill 3402' - 3420' 0.50 ran wl survey @ 3344' 3 degrees 5.00 drill 3420' - 3468' w/24 pts on bit, 140 rpm, 80% sandstone 20% shale, mud weight 9.7 ppg, vis 46, ph 10, water loss 14							
Report Start Date 4/12/2012		Report End Date 4/13/2012		Operations Summary drill f/3468' - 3570' w/24 pts on bit 140 rpm, 95% shale/5% sandstone, rig service and wl survey @ 3505' 2 1/2 degrees, drill f/3570' - 3664' w/24 pts on bit 140 rpm, 95% sandstone/5% shale, ran wl survey @ 3591' 1 3/4 degrees, drill f/3664' - 3696' w/24 pts on bit 140 rpm, 80% sandstone/20% shale					
Dur (hrs)		Comment							
		10.00 drill f/3468' - 3570' w/24 pts on bit 140 rpm, 95% shale/5% sandstone 0.50 rig service and wl survey @ 3505' 2 1/2 degrees 9.25 drill f/3570' - 3664' w/24 pts on bit 140 rpm, 95% sandstone/5% shale 0.50 ran wl survey @ 3591' 1 3/4 degrees 3.75 drill f/3664' - 3696' w/24 pts on bit 140 rpm, 80% sandstone/20% shale							
Report Start Date 4/13/2012		Report End Date 4/14/2012		Operations Summary drill f/3696' - 3728', 24 pts on bit, 140 rpm, 100% shale, mud wt 9.8 ppg, vis 45, water loss 10, ph 9, rop 11.6 fph, rig service, drill f/3728' - 3821' w/24 pts on bit, 140 rpm, 95% shale/5% sandstone, mud wt 9.7 ppg, vis 43, water loss 10.4, ph 9 rop 8.6 fph, ran wl survey @ 3755' 2 degrees, drill f/3821' - 3850' increased wob to 26k increased rpm to 150 rpm, 95% shale/5% sandstone, 9.6 fph, drill f/3850' - 3855' 26k on bit, 150 rpm, 60% shale/40% sandstone, mud weight 9.7 ppg, vis 40, water loss 12 ph 9, pu off bottom & circ while repairing closed loop generator, cont drill from 3855' - 3889' w/26 pts on bit, 150 rpm, 80% sandstone/20% shale, mud weight 9.8, vis 45, water loss 10, ph 9 rop 7.5 fph					
Dur (hrs)		Comment							
		2.75 drill f/3696' - 3728', 24 pts on bit, 140 rpm, 100% shale, mud wt 9.8 ppg, vis 45, water loss 10, ph 9, rop 11.6 fph 0.75 rig service							

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00		KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time	

Dur (hrs)		Comment
10.75		drill f/3728' - 3821' w/24 pts on bit, 140 rpm, 95% shale/5% sandstone, mud wt 9.7 ppg, vis 43, water loss 10.4, ph 9 rop 8.6 fph
0.50		ran wl survey @ 3755' 2 degrees,
3.00		drill f/3821' - 3850' increased wob to 26k increased rpm to 150 rpm, 95% shale/5% sandstone, 9.6 fph
1.25		drill f/3850' - 3855' 26k on bit, 150 rpm, 60% shale/40% sandstone, mud weight 9.7 ppg, vis 40, water loss 12 ph 9
0.50		pu off bottom & circ while repairing closed loop generator
4.50		cont drill from 3855' - 3889' w/26 pts on bit, 150 rpm, 80% sandstone/20% shale, mud weight 9.8, vis 45, water loss 10, ph 9 rop 7.5 fph
Report Start Date 4/14/2012	Report End Date 4/15/2012	Operations Summary drill f/3889' - 3923, wob 26000, 150 rpm, 90% shale, 10 % sand stone, vis 45, wt 9.8, wl 10, ph 9, 6.8 ft per hr. pump # 1-131 stk @1700 psi, rop 6.8, change out dawn generator, drlg f/3923 to 3953 wob 26000, 150 rpms, pump #1 131 stks @ 1700 psi, 65% shale, 20% limestone, 15% sandstone, vis 48, wt 9.4, ph 9. rop 6.6, drlg f/3953 to 4006 wob 26000, 150 rpm, pump # 1 131 stks @ 1700 psi, 35% shale, 5 % limestone, 60% sandstone, vis 45, wt 9.9, ph 9. rop 7, survey @ 3966 1 1/4 deg, drlg f/4006 to 4051 change wt on bit from 26000 to 28000, 150 rpm, pump # 1 130 stks @ 1700 psi, 95% shale, 5% limestone, vis 45, wt 9.8, ph 9, wl 10. rop 7.5
Dur (hrs)		Comment
5.00		drill f/3889' - 3923, wob 26000, 150 rpm, 90% shale, 10 % sand stone, vis 45, wt 9.8, wl 10, ph 9, 6.8 ft per hr. pump # 1-131 stk @1700 psi, rop 6.8
0.50		change out dawn generator
4.50		drlg f/3923 to 3953 wob 26000, 150 rpms, pump #1 131 stks @ 1700 psi, 65% shale, 20% limestone, 15% sandstone, vis 48, wt 9.4, ph 9. rop 6.6
7.50		drlg f/3953 to 4006 wob 26000, 150 rpm, pump # 1 131 stks @ 1700 psi, 35% shale, 5 % limestone, 60% sandstone, vis 45, wt 9.9, ph 9. rop 7
0.50		survey @ 3966 1 1/4 deg
6.00		drlg f/4006 to 4051 change wt on bit from 26000 to 28000, 150 rpm, pump # 1 130 stks @ 1700 psi, 95% shale, 5% limestone, vis 45, wt 9.8, ph 9, wl 10. rop 7.5
Report Start Date 4/15/2012	Report End Date 4/16/2012	Operations Summary drlg f/ 4051 to 4069 wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% limestone, vis 45, wt 9.7, wl 10, ph 9, rop 7.2, serv rig, drlg f/4069 to 4122, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone vis 43, wt 9.9, wl 13, ph 9, rop 7.5, dril f/4122 to 4175, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 44, wt 9.8, wl 12, ph 9, rop 6.6, dril f/4175 to 4220, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 43, wt 9.9, wl 12, ph 9, rop 7.5. will survey this kelly down @ 4225'
Dur (hrs)		Comment
2.50		drlg f/ 4051 to 4069 wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% limestone, vis 45, wt 9.7, wl 10, ph 9, rop 7.2
0.50		serv rig
7.00		drlg f/4069 to 4122, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone vis 43, wt 9.9, wl 13, ph 9, rop 7.5
8.00		dril f/4122 to 4175, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 44, wt 9.8, wl 12, ph 9, rop 6.6
6.00		dril f/4175 to 4220, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 43, wt 9.9, wl 12, ph 9, rop 7.5. will survey this kelly down @ 4225'
Report Start Date 4/16/2012	Report End Date 4/17/2012	Operations Summary drlg f/4220 to 4227 wob 28000 rpm 150, pump # 1 130 stks @ 1700psi, 95% sandstone, 5% shale, vis 44, wt 9.9, wl 12, ph 9, rop 7ft per hr, serv rig, survey @ 4154 1 deg, drlg f/4227 to 4287 change wt on bit from 28000, to 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 85% shale, 15% sandstone, vis 43, wt 9.8, wl 14, ph 9, rop 6.6 ft per hr, serv rig, drlg f/ 4287 to 4345, wob 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 90% shale, 10% sandstone, vis 44, wt 9.9, wl 14, ph 9, rop 8.2 ft per hr, drlg f/ 4345 to 4390, wob 32000, rpm 150, pump # 1 130 stks @ 1700 psi, 100% shale, vis 45, wt 9.9, wl 14, ph 9, rop 7.5 ft per hr
Dur (hrs)		Comment
1.00		drlg f/4220 to 4227 wob 28000 rpm 150, pump # 1 130 stks @ 1700psi, 95% sandstone, 5% shale, vis 44, wt 9.9, wl 12, ph 9, rop 7ft per hr
0.50		serv rig, survey @ 4154 1 deg,
9.00		drlg f/4227 to 4287 change wt on bit from 28000, to 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 85% shale, 15% sandstone, vis 43, wt 9.8, wl 14, ph 9, rop 6.6 ft per hr
0.50		serv rig
7.00		drlg f/ 4287 to 4345, wob 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 90% shale, 10% sandstone, vis 44, wt 9.9, wl 14, ph 9, rop 8.2 ft per hr
6.00		drlg f/ 4345 to 4390, wob 32000, rpm 150, pump # 1 130 stks @ 1700 psi, 100% shale, vis 45, wt 9.9, wl 14, ph 9, rop 7.5 ft per hr

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-368
2. NAME OF OPERATOR: Resolute Natural Resources	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Nation
3. ADDRESS OF OPERATOR: 1675 Broadway, Ste 1950 CITY Denver STATE CO ZIP 80202	7. UNIT or CA AGREEMENT NAME: Ratherford
PHONE NUMBER: (303) 573-4886	8. WELL NAME and NUMBER: Ratherford Unit 8-32R
9. API NUMBER: 4303750025	10. FIELD AND POOL, OR WILDCAT: Greater Aneth

4. LOCATION OF WELL FOOTAGES AT SURFACE: _____	COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/2/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources submits that well was spud on April 2, 2012. Current status is drilling ahead.

NAME (PLEASE PRINT) Sherry Glass	TITLE Sr. Regulatory Technician
SIGNATURE <i>Sherry Glass</i>	DATE 4/24/2012

RECEIVED

(This space for State use only)

APR 30 2012

# Daily Activity Report

**Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

Job Category Drilling	Primary Job Type Drilling - re-entry	Secondary Job Type
Start Date 4/1/2012	End Date	AFE Number 10011002

**Objective**  
The Ratherford Unit Team recommends re-drilling a vertical well, the 8-32R, completing entire wellbore, and producing primary, secondary & eventually tertiary reserves. The primary target is the DC-IIC subzone with additional upside in the Lower Ismay, DC-IC, DC-IIA, DC-IIB & DC-III.

Contractor DJ Drilling	Rig Number 1	Rig Type
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Report Start Date 2/15/2012	Report End Date 2/15/2012	Operations Summary Remove guy wire off power pole for location prep
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Report Start Date 2/17/2012	Report End Date 2/17/2012	Operations Summary Jr Construction, reset anchor and resecured the power pole where location was prep for drilling, MOTE set and test 4 Anchors to 25K, test okay, Installed 4 marker and 4 Anchor tags
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Report Start Date 4/1/2012	Report End Date 4/2/2012	Operations Summary load out rig & equipment from Ratherford 20-22H to location miru rig & spot equipment, raised derrick @ 1100 hrs nu 20" flange & bell nipple, rig up all lines to closed loop pits, fill storage & pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am weld up 16" riser to rotating head & flow T, ru gas buster lines, ru hcr valve for diverter & 6" blooie line to lined pit complete nipple up of flow T to shakers drill rathole & mousehole, rack out & tally drill collars & drill pipe bha
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- 2.00 load out rig & equipment from Ratherford 20-22H to location
- 3.00 miru rig & spot equipment, raised derrick @ 1100 hrs
- 4.00 nu 20" flange & bell nipple, rig up all lines to closed loop pits, fill storage & pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am
- 7.00 weld up 16" riser to rotating head & flow T, ru gas buster lines, ru hcr valve for diverter & 6" blooie line to lined pit
- 3.00 complete nipple up of flow T to shakers
- 5.00 drill rathole & mousehole, rack out & tally drill collars & drill pipe bha

Report Start Date 4/2/2012	Report End Date 4/3/2012	Operations Summary cont racking out drill collars & drillpipe, Pu & mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor Pu & rih w/bit, mtr, 6' stripping rubber & 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit ran w/ survey @ 90' 1 degree drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs change out stripping rubber for 6 1/2" dc & 4 1/2" dp drill 248' - 339' w/8 pts on bit 135 rpm @ bit ran w/survey @ 274' 1 degree drill 339' - 497' w/8 pts on bit, 135 rpm @ bit ran w/ survey @ 390' 1 degree drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph ran w/ survey @ 541' 1 degree drill 608' - 761' w/10 pts on bit, 135 rpm @ bit ran w/ survey @ 691' 1 1/2 degrees drill 761' - 915' w/10 pts on bit 135 rpm @ bit ran w/ survey @ 843' 2 1/4 degrees reduced wob to 8 pts & increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc & 4-4 1/2" hvwt dp ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 & s
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- 1.50 cont racking out drill collars & drillpipe,
- 0.50 Pu & mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor
- 2.00 Pu & rih w/bit, mtr, 6' stripping rubber & 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit
- 0.50 ran w/ survey @ 90' 1 degree
- 1.00 drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs
- 1.00 change out stripping rubber for 6 1/2" dc & 4 1/2" dp
- 1.00 drill 248' - 339' w/8 pts on bit 135 rpm @ bit
- 0.50 ran w/survey @ 274' 1 degree
- 1.25 drill 339' - 497' w/8 pts on bit, 135 rpm @ bit
- 0.50 ran w/ survey @ 390' 1 degree
- 1.75 drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph
- 0.50 ran w/ survey @ 541' 1 degree
- 1.50 drill 608' - 761' w/10 pts on bit, 135 rpm @ bit
- 0.50 ran w/ survey @ 691' 1 1/2 degrees
- 2.00 drill 761' - 915' w/10 pts on bit 135 rpm @ bit
- 0.50 ran w/ survey @ 843' 2 1/4 degrees
- 2.00 reduced wob to 8 pts & increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc & 4-4 1/2" hvwt dp
- 0.50 ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit

# Daily Activity Report

**Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00		KB-Casing Flange Distance (ft)		Well Spud Date/Time	Rig Release Date/Time

- 2.25 drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system
- 0.75 drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin
- 2.00 recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 & start adding bar to increase fluid wt to 8.6 - 8.8 ppg

Report Start Date 4/3/2012	Report End Date 4/4/2012	Operations Summary condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condnion drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections ran wl survey @ 1155' 1 degree drill f/1227' - 1475' td, ran wl survey @ 1475' 1 3/4 degrees, ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe start tooh w/dp
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- 4.00 condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off
- 0.50 pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condnion
- 5.00 drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections
- 0.50 ran wl survey @ 1155' 1 degree
- 11.50 drill f/1227' - 1475' td
- 0.50 ran wl survey @ 1475' 1 3/4 degrees
- 1.00 ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe
- 1.00 start tooh w/dp

Report Start Date 4/4/2012	Report End Date 4/5/2012	Operations Summary cont tooh w/drillpipe & collars, ld 4 - 8" collars well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t, returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job, jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok) pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls,pumped 37.1 bbls tail @ 15.8 # 1.16 yield,4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug caculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar, shut well in with 270 psi, r/u to pump down back side, pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange, woc checked for cement falling @ 0100 hrs it seems to be holding
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- 1.50 cont tooh w/drillpipe & collars, ld 4 - 8" collars
- 1.50 well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t,
- 2.00 returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing
- 4.00 ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew
- 1.00 spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job,
- 0.50 jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok)
- 2.00 pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls,pumped 37.1 bbls tail @ 15.8 # 1.16 yield,4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug caculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar
- 0.50 shut well in with 270 psi, r/u to pump down back side
- 1.00 pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange
- 10.00 woc checked for cement falling @ 0100 hrs it seems to be holding

# Daily Activity Report

**Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

Report Start Date 4/5/2012	Report End Date 4/6/2012	Operations Summary woc get bop under sub clean bolts get ready to nipple up.cut conductor,10 3/4 surface cut off 20 ft, weld well head on surface pipe. test well head 1000 psi for 5 mins (ok) n/u bop,hydrill,rotating head,choke manifold, flow line, notified blm farmington n.m of bop test got no call back from them.test bop,hydrill, chock manifold, acr valve wouldn't test had one hot shoted from weatherford, replace pipe ram rubbers,tested pipe rams,blind rams, choke manifold, @ 250 psi low for 5mins, 2000 psi for 10 mins, tested annular @ 250 low for 5 mins, 1500 psi for 10 mins, tested csg 600 psi for 30 mins, funtion test accumulator. tih with 10 stds dril collors, 2 sdts whdp, 10 stds d/p pick up 4 jts d/p.
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2.50 woc get bop under sub clean bolts get ready to nipple up.  
6.00 cut conductor,10 3/4 surface cut off 20 ft, weld well head on surface pipe.  
0.50 test well head 1000 psi for 5 mins (ok)  
4.00 n/u bop,hydrill,rotating head,choke manifold, flow line, notified blm farmington n.m of bop test got no call back from them.  
9.00 test bop,hydrill, chock manifold, acr valve wouldn't test had one hot shoted from weatherford, replace pipe ram rubbers,tested pipe rams,blind rams, choke manifold, @ 250 psi low for 5mins, 2000 psi for 10 mins, tested annular @ 250 low for 5 mins, 1500 psi for 10 mins, tested csg 600 psi for 30 mins, funtion test accumulator.  
2.00 tih with 10 stds dril collors, 2 sdts whdp, 10 stds d/p pick up 4 jts d/p.

Report Start Date 4/6/2012	Report End Date 4/7/2012	Operations Summary cont tih taged cement @ 1067' float collar set @ 1432, we got 365' cement on top of float collar. drlg cement, bit # 2-97/8 reed m4214cp,ser # lw5114, 3-18 jets, with 1-16 center jet circ, tooh 11 stds d/p, 2 stds hwdp, 10 stds 6 1/2' d/c, jsa with wire line crew, r/u wire line. Run in hole with logging tool, log casing, cement around casing ok. r/d wire line crew, p/u motor, make up tih, drlg cement f/1461 to1478, pump cement water from pits and hole to res pit dril f/1478 to 1540 wob15, rotate 60, pump # 1 130 spm, psi 1000. rop 15 to20 fph will take survey around 1600 ft and adjust wob, rotate from there
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2.00 cont tih taged cement @ 1067' float collar set @ 1432, we got 365' cement on top of float collar.  
8.00 drlg cement, bit # 2- 97/8 reed m4214cp,ser # lw5114, 3-18 jets, with 1-16 center jet.  
0.50 circ  
2.00 tooh 11 stds d/p, 2 stds hwdp, 10 stds 6 1/2' d/c  
1.00 jsa with wire line crew, r/u wire line. Run in hole with logging tool, log casing, cement around casing ok.  
0.50 r/d wire line crew  
2.00 p/u motor, make up tih  
1.00 drlg cement f/1461 to1478  
2.00 pump cement water from pits and hole to res pit  
5.00 dril f/1478 to 1540 wob15, rotate 60, pump # 1 130 spm, psi 1000. rop 15 to20 fph will take survey around 1600 ft and adjust wob, rotate from there

Report Start Date 4/7/2012	Report End Date 4/8/2012	Operations Summary drlg f/ 1540 to 1603, survey @ 1535 1 deg, drlg f/1603 to 1915 change wt on bit from 15000 to 25000 rop went from 18ft per hr to 40 ft per hr will survey again in 300 ft, survey @ 1844 1 deg, serv rig, drlg f/1915 to 2230, survey @ 2158 2 deg, drlg f/2230 to 2386 back off wt on bit to 18000, survey @ 2315 11/2 deg
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4.00 drlg f/ 1540 to 1603  
0.50 survey @ 1535 1 deg  
9.50 drlg f/1603 to 1915 change wt on bit from 15000 to 25000 rop went from 18ft per hr to 40 ft per hr will survey again in 300 ft  
0.50 survey @ 1844 1 deg, serv rig  
6.00 drlg f/1915 to 2230  
0.50 survey @ 2158 2 deg  
2.50 drlg f/2230 to 2386 back off wt on bit to 18000  
0.50 survey @ 2315 11/2 deg

Report Start Date 4/8/2012	Report End Date 4/9/2012	Operations Summary drlg f/ 2386 to 2544, survey @ 2477 2 deg, drlg f/ 2544 to 2732, work tight hole f/2732 to 2660 hole sloffing on us, cleaned up hole maid conn, drlg f/2732 to 2793 build vis up to 40 again, dawn crew added h20 to there pits, survey @2723 1.5 deg, drlg f/2793 to 2856
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5.50 drlg f/ 2386 to 2544  
0.50 survey @ 2477 2 deg  
4.50 drlg f/ 2544 to 2732  
2.00 work tight hole f/2732 to 2660 hole sloffing on us, cleaned up hole maid conn  
5.50 drlg f/2732 to 2793 build vis up to 40 again, dawn crew added h20 to there pits  
0.50 survey @2723 1.5 deg  
5.50 drlg f/2793 to 2856

# Daily Activity Report

**Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

Report Start Date 4/9/2012	Report End Date 4/10/2012	Operations Summary drlg f/2856 to 2919, survey @ 2848 11/2 deg, drlg f/2919 to 2950, drlg f/2950 to 3104, survey @ 3033 @ 21/4 deg, drlg f/ 3104 to 3120 had drill back off wt on bit from 27000, to 25000
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7.00 drlg f/2856 to 2919  
0.50 survey @ 2848 11/2 deg  
2.50 drlg f/2919 to 2950  
13.00 drlg f/2950 to 3104  
0.50 survey @ 3033 @ 21/4 deg  
0.50 drlg f/ 3104 to 3120 had drill back off wt on bit from 27000, to 25000

Report Start Date 4/10/2012	Report End Date 4/11/2012	Operations Summary dril f/3120 to 3267' w/26 pts on bit, rop avg 12.5 fph, 140 rpm @ bit, drill f/3267' - 3279', ran wl survey @ 3220' 3 1/2 degrees, drill f/3279' - 3355' lowered wob 2 pts to 24k to straighten hole, will survey again in 2 kellys down, ran wl survey @ 3282' 3 degrees, drill f/3355' - 3380' w/24 pts on bit, 140 rpm @ bit, returns 100% shale, mud weight 9.6 vis 46 ph 9 water loss 14
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12.00 dril f/3120 to 3267' w/26 pts on bit, rop avg 12.5 fph, 140 rpm @ bit  
2.25 drill f/3267' - 3279'  
0.50 ran wl survey @ 3220' 3 1/2 degrees  
6.00 drill f/3279' - 3355' lowered wob 2 pts to 24k to straighten hole, will survey again in 2 kellys down  
0.50 ran wl survey @ 3282' 3 degrees  
2.75 drill f/3355' - 3380' w/24 pts on bit, 140 rpm @ bit, returns 100% shale, mud weight 9.6 vis 46 ph 9 water loss 14

Report Start Date 4/11/2012	Report End Date 4/12/2012	Operations Summary drill f/3380' - 3402' w/24 pts on bit, rop dropping steadily to 6 fph, decide to make bit trip, bit has 129 hrs, hang back kelly & tooth w/16 stds of 4 1/2" dp, hole sticky, rih w/1 std & circ 45 mins to slick up hole, cont tooth w/26 more stds dp, 2 stds 4 1/2" hvywt dp, 10 stds 6 1/2" dcs, xo, motor & 9 7/8" bit, bit outer teeth worn, bearings tight, would not re-run bit, id motor & bit, mu new Reed 9 7/8bit, Mod R25AP mtr, xo, 10 stds 6 1/2" dc, 2 stds 4 1/2" hvywt dp, 26 stds 4 1/2" dp, tag ledge @ 2425', kelly up & ream thru shale section, hang back kelly, id 8 jts dp, tih w/4 stds dp, ream & circ w/ singles thru tight hole section from 2425' - 2712', cont tih w/dp stds to 3402', drill 3402' - 3420', ran wl survey @ 3344' 3 degrees, drill 3420' - 3468' w/24 pts on bit, 140 rpm, 80% sandstone 20% shale, mud weight 9.7 ppg, vis 46, ph 10, water loss 14
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4.00 drill f/3380' - 3402' w/24 pts on bit, rop dropping steadily to 6 fph, decide to make bit trip, bit has 129 hrs, hang back kelly & tooth w/16 stds of 4 1/2" dp, hole sticky, rih w/1 std & circ 45 mins to slick up hole, cont tooth w/26 more stds dp, 2 stds 4 1/2" hvywt dp, 10 stds 6 1/2"  
4.00 dcs, xo, motor & 9 7/8" bit, bit outer teeth worn, bearings tight, would not re-run bit, id motor & bit, mu new Reed 9 7/8bit, Mod R25AP mtr, xo, 10 stds 6 1/2" dc, 2 stds 4 1/2" hvywt dp, 26 stds 4 1/2" dp, tag ledge @ 2425', kelly up & ream  
8.50 thru shale section, hang back kelly, id 8 jts dp, tih w/4 stds dp, ream & circ w/ singles thru tight hole section from 2425' - 2712', cont tih w/dp stds to 3402'  
2.00 drill 3402' - 3420'  
0.50 ran wl survey @ 3344' 3 degrees  
5.00 drill 3420' - 3468' w/24 pts on bit, 140 rpm, 80% sandstone 20% shale, mud weight 9.7 ppg, vis 46, ph 10, water loss 14

Report Start Date 4/12/2012	Report End Date 4/13/2012	Operations Summary drill f/3468' - 3570' w/24 pts on bit 140 rpm, 95% shale/5% sandstone, rig service and wl survey @ 3505' 2 1/2 degrees, drill f/3570' - 3664' w/24 pts on bit 140 rpm, 95% sandstone/5% shale, ran wl survey @ 3591' 1 3/4 degrees, drill f/3664' - 3696' w/24 pts on bit 140 rpm, 80% sandstone/20% shale
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10.00 drill f/3468' - 3570' w/24 pts on bit 140 rpm, 95% shale/5% sandstone  
0.50 rig service and wl survey @ 3505' 2 1/2 degrees  
9.25 drill f/3570' - 3664' w/24 pts on bit 140 rpm, 95% sandstone/5% shale  
0.50 ran wl survey @ 3591' 1 3/4 degrees  
3.75 drill f/3664' - 3696' w/24 pts on bit 140 rpm, 80% sandstone/20% shale

Report Start Date 4/13/2012	Report End Date 4/14/2012	Operations Summary drill f/3696' - 3728', 24 pts on bit, 140 rpm, 100% shale, mud wt 9.8 ppg, vis 45, water loss 10, ph 9, rop 11.6 fph, rig service, drill f/3728' - 3821' w/24 pts on bit, 140 rpm, 95% shale/5% sandstone, mud wt 9.7 ppg, vis 43, water loss 10.4, ph 9 rop 8.6 fph, ran wl survey @ 3755' 2 degrees, drill f/3821' - 3850' increased wob to 26k increased rpm to 150 rpm, 95% shale/5% sandstone, 9.6 fph, drill f/3850' - 3855' 26k on bit, 150 rpm, 60% shale/40% sandstone, mud weight 9.7 ppg, vis 40, water loss 12 ph 9, pu off bottom & circ while repairing closed loop generator, cont drill from 3855' - 3889' w/26 pts on bit, 150 rpm, 80% sandstone/20% shale, mud weight 9.8, vis 45, water loss 10, ph 9 rop 7.5 fph
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2.75 drill f/3696' - 3728', 24 pts on bit, 140 rpm, 100% shale, mud wt 9.8 ppg, vis 45, water loss 10, ph 9, rop 11.6 fph  
0.75 rig service



## Daily Activity Report

### Well Name: Ratherford U 0832R

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

10.75 drill f/3728' - 3821' w/24 pts on bit, 140 rpm, 95% shale/5% sandstone, mud wt 9.7 ppg, vis 43, water loss 10.4, ph 9 rop 8.6 fph

0.50 ran wl survey @ 3755' 2 degrees,

3.00 drill f/3821' - 3850' increased wob to 26k increased rpm to 150 rpm, 95% shale/5% sandstone, 9.6 fph

1.25 drill f/3850' - 3855' 26k on bit, 150 rpm, 60% shale/40% sandstone, mud weight 9.7 ppg, vis 40, water loss 12 ph 9

0.50 pu off bottom & circ while repairing closed loop generator

4.50 cont drill from 3855' - 3889' w/26 pts on bit, 150 rpm, 80% sandstone/20% shale, mud weight 9.8, vis 45, water loss 10, ph 9 rop 7.5 fph

Report Start Date 4/14/2012	Report End Date 4/15/2012	Operations Summary drill f/3889' - 3923, wob 26000, 150 rpm, 90% shale, 10 % sand stone, vis 45, wt 9.8, wl 10, ph 9, 6.8 ft per hr. pump # 1-131 stk @1700 psi, rop 6.8, change out dawn generator, drlg f/3923 to 3953 wob 26000, 150 rpms, pump #1 131 stks @ 1700 psi, 65% shale, 20% limestone, 15% sandstone, vis 48, wt 9.4, ph 9. rop 6.6, drlg f/3953 to 4006 wob 26000, 150 rpm, pump # 1 131 stks @ 1700 psi, 35% shale, 5 % limestone, 60% sandstone, vis 45, wt 9.9, ph 9. rop 7, survey @ 3966 1 1/4 deg, drlg f/4006 to 4051 change wt on bit from 26000 to 28000, 150 rpm, pump # 1 130 stks @ 1700 psi, 95% shale, 5% limestone, vis 45, wt 9.8, ph 9, wl 10. rop 7.5
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5.00 drill f/3889' - 3923, wob 26000, 150 rpm, 90% shale, 10 % sand stone, vis 45, wt 9.8, wl 10, ph 9, 6.8 ft per hr. pump # 1-131 stk @1700 psi, rop 6.8

0.50 change out dawn generator

4.50 drlg f/3923 to 3953 wob 26000, 150 rpms, pump #1 131 stks @ 1700 psi, 65% shale, 20% limestone, 15% sandstone, vis 48, wt 9.4, ph 9. rop 6.6

7.50 drlg f/3953 to 4006 wob 26000, 150 rpm, pump # 1 131 stks @ 1700 psi, 35% shale, 5 % limestone, 60% sandstone, vis 45, wt 9.9, ph 9. rop 7

0.50 survey @ 3966 1 1/4 deg

6.00 drlg f/4006 to 4051 change wt on bit from 26000 to 28000, 150 rpm, pump # 1 130 stks @ 1700 psi, 95% shale, 5% limestone, vis 45, wt 9.8, ph 9, wl 10. rop 7.5

Report Start Date 4/15/2012	Report End Date 4/16/2012	Operations Summary drlg f/ 4051 to 4069 wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% limestone, vis 45, wt 9.7, wl 10, ph 9, rop 7.2, serv rig, drlg f/4069 to 4122, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone vis 43, wt 9.9, wl 13, ph 9, rop 7.5, dril f/4122 to 4175, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 44, wt 9.8, wl 12, ph 9, rop 6.6, dril f/4175 to 4220, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 43, wt 9.9, wl 12, ph 9, rop 7.5. will survey this kelly down @ 4225'
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2.50 drlg f/ 4051 to 4069 wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% limestone, vis 45, wt 9.7, wl 10, ph 9, rop 7.2

0.50 serv rig

7.00 drlg f/4069 to 4122, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone vis 43, wt 9.9, wl 13, ph 9, rop 7.5

8.00 dril f/4122 to 4175, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 44, wt 9.8, wl 12, ph 9, rop 6.6

6.00 dril f/4175 to 4220, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 43, wt 9.9, wl 12, ph 9, rop 7.5. will survey this kelly down @ 4225'

Report Start Date 4/16/2012	Report End Date 4/17/2012	Operations Summary drlg f/4220 to 4227 wob 28000 rpm 150, pump # 1 130 stks @ 1700psi, 95% sandstone, 5% shale, vis 44, wt 9.9, wl 12, ph 9, rop 7ft per hr, serv rig, survey @ 4154 1 deg, drlg f/4227 to 4287 change wt on bit from 28000, to 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 85% shale, 15% sandstone, vis 43, wt 9.8, wl 14, ph 9., rop 6.6 ft per hr, serv rig, drlg f/ 4287 to 4345, wob 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 90% shale, 10% sandstone, vis 44, wt 9.9, wl 14, ph 9, rop 8.2 ft per hr, drlg f/ 4345 to 4390, wob 32000, rpm 150, pump # 1 130 stks @ 1700 psi, 100% shale, vis 45, wt 9.9, wl 14, ph 9, rop 7.5 ft per hr
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1.00 drlg f/4220 to 4227 wob 28000 rpm 150, pump # 1 130 stks @ 1700psi, 95% sandstone, 5% shale, vis 44, wt 9.9, wl 12, ph 9, rop 7ft per hr

0.50 serv rig, survey @ 4154 1 deg,

9.00 drlg f/4227 to 4287 change wt on bit from 28000, to 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 85% shale, 15% sandstone, vis 43, wt 9.8, wl 14, ph 9, rop 6.6 ft per hr

0.50 serv rig

7.00 drlg f/ 4287 to 4345, wob 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 90% shale, 10% sandstone, vis 44, wt 9.9, wl 14, ph 9, rop 8.2 ft per hr

6.00 drlg f/ 4345 to 4390, wob 32000, rpm 150, pump # 1 130 stks @ 1700 psi, 100% shale, vis 45, wt 9.9, wl 14, ph 9, rop 7.5 ft per hr

## Daily Activity Report

**Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00		KB-Casing Flange Distance (ft)		Well Spud Date/Time	Rig Release Date/Time

Report Start Date 4/17/2012	Report End Date 4/18/2012	Operations Summary drilg f/4390 to 4415, wob 32000, rpm 150, pump # 2 130 stks @ 1475, 100% shale, vis 44, wt 9.9, wl 13, ph 9, rop 8.3 ft per hr. rig serv, survey @ 4342 1 deg. drilg f/4415 to 4473 change wt on bit from 32000 to 34000, pump # 2 130 stks @ 1475 psi, 70% shale, 25 % sandstone, 5 % limestone, rop 8.9 ft per hr, dril f/4473 to 4503 wob 34000, rpm 150, pump # 1 130 stks 1700 psi, 60% limestone, 20% shale, 20% sand stone, rop 8.5 per hr, bit started torqueing up, loseing, diff presser, put more wt on bit to check motor and diff presser presser still wouldn't come up, circ pump flush for tooh, tooh, bit hrs135, motor hrs 167, bit drilg 1101 ft, ave ft per hr 8.1, hole pulling tigh f/4408 to 3962, clean pit while tripping. finesh cleaning pits, tih tagged at 2420, ld 6 jts, tih with 3 stds
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3.00 drilg f/4390 to 4415, wob 32000, rpm 150, pump # 2 130 stks @ 1475, 100% shale, vis 44, wt 9.9, wl 13, ph 9, rop 8.3 ft per hr.

0.50 rig serv, survey @ 4342 1 deg

6.50 drilg f/4415 to 4473 change wt on bit from 32000 to 34000, pump # 2 130 stks @ 1475 psi, 70% shale, 25 % sandstone, 5 % limestone, rop 8.9 ft per hr

3.50 dril f/4473 to 4503 wob 34000, rpm 150, pump # 1 130 stks 1700 psi, 60% limestone, 20% shale, 20% sand stone, rop 8.5 per hr, bit started torqueing up, loseing diff presser, put more wt on bit to check motor and diff presser presser still wouldn't come up

0.50 circ pump flush for tooh

4.50 tooh, bit hrs135, motor hrs 167, bit drilg 1101 ft, ave ft per hr 8.1, hole pulling tigh f/4408 to 3962, clean pit while tripping.

1.00 finesh cleaning pits

3.50 tih tagged at 2420

0.50 ld 6 jts

0.50 tih with 3 stds

Report Start Date 4/18/2012	Report End Date 4/19/2012	Operations Summary wash & ream f/ 2420 to 3005 hole fell in on us packed off tight, 35000 to 45000 on bit to wash & ream, pump # 1 112 stks @ 1030 psi, vis 43 wt 9.8 wl14 ph 10, tih f/3005 to 4353 work tight hole f/4353, hole out of gauge, ream 150 ft to 4503, td at bit trip, pump # 1 109 stks @ 1230 psi, pumped flushes around while washing & reaming brought back a lot of pea sized cutting, filled shaker screens up. drilg f/4503 to 4563 wob 36000 to 38000, pump # 1 127 stks @ 1522 psi, rpm 65, vis 44, wt 9.9, wl 9, 60 % sandstone, 40% shale, rop 7 ft per hr
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10.00 wash & ream f/ 2420 to 3005 hole fell in on us packed off tight, 35000 to 45000 on bit to wash & ream, pump # 1 112 stks @ 1030 psi, vis 43 wt 9.8 wl14 ph 10,

0.50 tih f/3005 to 4353

4.00 work tight hole f/4353, hole out of gauge, ream 150 ft to 4503, td at bit trip, pump # 1 109 stks @ 1230 psi, pumped flushes around while washing & reaming brought back a lot of pea sized cutting, filled shaker screens up.

8.50 drilg f/4503 to 4563 wob 36000 to 38000, pump # 1 127 stks @ 1522 psi, rpm 65, vis 44, wt 9.9, wl 9, 60 % sandstone, 40% shale, rop 7 ft per hr.

Report Start Date 4/19/2012	Report End Date 4/20/2012	Operations Summary drilg f/ 4563 to 4580, wob 28000 to 30000, rpm 65, vis 45 wt 9.8, wl 9, 100 % sandstone rop 6.8 ft per hr. survey @ 4539 3 deg serv rig dril f/4580 to 4611 , backed wob off to 26000 to 28000, rpm form 65 to 80, to try to bring hole back stright, will dril 30 ft of hole and run survey to see if its working. survey @ 4571 21/4 deg, ser rig drilg f/4611 to 4642 wob 26000 to 28000 rpm 82, vis 44, wt 9.8, wl 9, 65 % limestone, 25 % sandstone, 10 % shale, tr pyrite, will run a survey in 30 ft. rop 6.8 ft per hr circ run survey @ 4602 3 deg drilg f/4642 to 4648 wob 24000 to 2000, rpm 82 string got to jumping bad couldn't put enough wt and rpm to smooth it out because of hole deviation. circ for tooh tooh to pick up motor and 4- 8" collors, hole tight f/2280 to 2220, bit was balled up with grey clay I think its from our tight spot. get motor & collors to cat walk, id & od collors, ser rig change oil in draw works pu bit, motor, 8" collors m/u tih, rerun bit # 4
		bit # 4 in the hole @ 4503, out at 4648, total footage 145 ft, hrs on bit 22, ave rop 6.5 jas on hot weather, bop drill 35 seconds to muster.

2.50 drilg f/ 4563 to 4580, wob 28000 to 30000, rpm 65, vis 45 wt 9.8, wl 9, 100 % sandstone rop 6.8 ft per hr.

0.50 survey @ 4539 3 deg serv rig

5.00 dril f/4580 to 4611 , backed wob off to 26000 to 28000, rpm form 65 to 80, to try to bring hole back stright, will dril 30 ft of hole and run survey to see if its working.

0.50 survey @ 4571 21/4 deg, ser rig

5.00 drilg f/4611 to 4642 wob 26000 to 28000 rpm 82, vis 44, wt 9.8, wl 9, 65 % limestone, 25 % sandstone, 10 % shale, tr pyrite, will run a survey in 30 ft. rop 6.8 ft per hr

1.00 circ run survey @ 4602 3 deg

0.50 drilg f/4642 to 4648 wob 24000 to 26000, rpm 82 string got to jumping bad couldn't put enough wt and rpm to smooth it out because of hole deviation.

1.00 circ for tooh

# Daily Activity Report

**Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

4.00 tooh to pick up motor and 4- 8" collors, hole tight f/2280 to 2220, bit was balled up with grey clay I think its from our tight spot.

2.00 get motor & collors to cat walk,id & od collors, ser rig change oil in draw works

2.00 pu bit,motor,8"collors m/u tih,rerun bit # 4

Report Start Date 4/20/2012	Report End Date 4/21/2012	Operations Summary cont tih w/motor 4-8"dc,20-6"collors,4jts whdp,bha length 884.13, 59 sdts dp + 1 single tag again @ 2440,wash & ream, 2416 to 2450, reamed 34ft while washing & reaming hole keeps falling in on us, mix flushes seams to help cont to wash & ream f/2450 to 2478,call Ralph Smith the mud man he told us to mix every sks of asphasol supreme we had on loction 88 sks, hole still fallin in keep working pipe & cond hole.pumping sweep every 60 ft of pipe we get in the hole, bringing back grey shale every flush,some times a lot, some time not very much.wash & ream f/ 2478 to 2549, reamed 71 ft, hang kelly tih 1 std l/d top jt, p/u kelly ream f/2549 to 2707, hole freed up @ 2707, reamed 158 ft., hang kelly tih taged @ 4590, p/u kelly ream f/4575 to 4648, reamed 78 ft, to bottom, drlg f/4648 to4672 wob 2600 to 28000, rpm 140, pump # 2 129 stks @ 1543 psi, wt 9.8 vis 45, wl 8.8, ph 10, 70% sandstone, 30% shale, will survey this kelly down
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0.50 cont tih w/motor 4-8"dc,20-6"collors,4jts whdp,bha length 884.13, 59 sdts dp + 1 single

1.50 tag again @ 2440,wash & ream, 2416 to 2450, reamed 34ft while washing & reaming hole keeps falling in on us, mix flushes seams to help

8.00 cont to wash & ream f/2450 to 2478,call Ralph Smith the mud man he told us to mix every sks of asphasol supreme we had on loction 88 sks, hole still fallin in keep working pipe & cond hole.pumping sweep every 60 ft of pipe we get in the hole, bringing back grey shale every flush,some times a lot, some time not very much.

4.00 wash & ream f/ 2478 to 2549, reamed 71 ft

0.50 hang kelly tih 1 std l/d top jt

3.50 p/u kelly ream f/2549 to 2707, hole freed up @ 2707, reamed 158 ft.

1.50 hang kelly tih taged @ 4590

1.00 p/u kelly ream f/4575 to 4648, reamed 78 ft, to bottom

3.50 drlg f/4648 to4672 wob 2600 to 28000, rpm 140, pump # 2 129 stks @ 1543 psi, wt 9.8 vis 45, wl 8.8, ph 10, 70% sandstone, 30% shale, will survey this kelly down

Report Start Date 4/21/2012	Report End Date 4/22/2012	Operations Summary drlg f/4672 to 4674 wob 24000 to 26000 pump # 2 129sks @ 1543, wt 9.8, vis 45, wl 8.8, ph 10,705 sandstone, 30% shale circ & survey @ 4599 2.25 deg, serv rig drlg f/4674 to 4768' wob 26k to 28k pump # 1 127 sks @ 1800 psi, rpm 159, wt 9.8, vis 45, wl 8.8, ph 10, 50% sandstone/40% shale/10% limestone ran wl survey @ 4688' 2.25 deg. drlg f/4768' - 4844', wob 28k, pump #1 125 stks @ 1730 psi, rpm 152, wt 9.8, vis 48, wl 8.8, ph 10, 80% limestone/10% sandstone/10% shale
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1.00 drlg f/4672 to 4674 wob 24000 to 26000 pump # 2 129sks @ 1543, wt 9.8, vis 45, wl 8.8, ph 10,705 sandstone, 30% shale

1.00 circ & survey @ 4599 2.25 deg, serv rig

11.00 drlg f/4674 to 4768' wob 26k to 28k pump # 1 127 sks @ 1800 psi, rpm 159, wt 9.8, vis 45, wl 8.8, ph 10, 50% sandstone/40% shale/10% limestone

0.50 ran wl survey @ 4688' 2.25 deg

10.50 drlg f/4768' - 4844', wob 28k, pump #1 125 stks @ 1730 psi, rpm 152, wt 9.8, vis 48, wl 8.8, ph 10, 80% limestone/10% sandstone/10% shale

Report Start Date 4/22/2012	Report End Date 4/23/2012	Operations Summary drlg f/4844' - 4861' wob 28k, pump psi 1700#, rpm 152, wt 9.8, vis 47, wl 8.9, ph 10, 80% sandstone/10% limestone/10% shale ran wl survey @ 4786' 2 degrees, rig service drlg f/4861' - 4870' wob 28k pump psi 1760# rpm 152, wt 9.9 vis 43, wl 8.8 ph 10 100% limestone, increased wob to 30K due to limestone formation drlg f/4870' - 4955' wob 30k pump psi 1800#, rpm 153, wt 9.8, vis 43, wl 10 ph 10.5, 65% sandstone/30% limestone/5% shale ran wl survey @ 4876' 1.75 degrees, rig service drlg f/4955' - 5014' wob 35 k, pump psi 1800#, rpm 153, wt 9.9 vis 43, wl 8, ph 9.5 80% limestone/20% shale
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2.25 drlg f/4844' - 4861' wob 28k, pump psi 1700#, rpm 152, wt 9.8, vis 47, wl 8.9, ph 10, 80% sandstone/10% limestone/10% shale

0.50 ran wl survey @ 4786' 2 degrees, rig service

1.25 drlg f/4861' - 4870' wob 28k pump psi 1760# rpm 152, wt 9.9 vis 43, wl 8.8 ph 10 100% limestone, increased wob to 30K due to limestone formation

12.00 drlg f/4870' - 4955' wob 30k pump psi 1800#, rpm 153, wt 9.8, vis 43, wl 10 ph 10.5, 65% sandstone/30% limestone/5% shale

0.50 ran wl survey @ 4876' 1.75 degrees, rig service

7.50 drlg f/4955' - 5014' wob 35 k, pump psi 1800#, rpm 153, wt 9.9 vis 43, wl 8, ph 9.5 80% limestone/20% shale

# Daily Activity Report

**Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time	Rig Release Date/Time		

Report Start Date 4/23/2012	Report End Date 4/24/2012	Operations Summary drlg f/5014' - 5046' w/38 pts on bit, 152 rpm 1800# pump psi, wt 10, vis 43, wl 8.8, ph 9.5 80% limestone/20% shale, ran wl survey @ 4975' 2.5 degrees, keep weight at 38 pts w/12 fph p rate and recheck survey in another 100', drlg f/5046' - 5110' w/38 pts on bit, 152 rpm, 1884# pump psi, wt 10, vis 50, wl 9.6, ph 10, 85% shale/15% limestone p rate from 7.8 - 10.5 fph, ran wl survey @ 5033' 1 degree added 2 pts wob to 40K, drlg f/5110 - 5173 w/40 pts on bit, 150 rpm, pump # 1 1850 psi, wt 9.9, wl 8.2, vis 43, 70% limestone, 30% shale. 11.5 ft per hr, rig serv, pump sweep, survey @ 5095 1.50 degree dril f/5173 - 5235 w/40 pts on bit pump # 1-1875 psi, rpm 150, vis 46, wt 9.8, 8.4, 100% limestone, 10.75 ft per hr
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3.25 drlg f/5014' - 5046' w/38 pts on bit, 152 rpm 1800# pump psi, wt 10, vis 43, wl 8.8, ph 9.5 80% limestone/20% shale  
0.50 ran wl survey @ 4975' 2.5 degrees, keep weight at 38 pts w/12 fph p rate and recheck survey in another 100'  
8.00 drlg f/5046' - 5110' w/38 pts on bit, 152 rpm, 1884# pump psi, wt 10, vis 50, wl 9.6, ph 10, 85% shale/15% limestone p rate from 7.8 - 10.5 fph  
0.50 ran wl survey @ 5033' 1 degree added 2 pts wob to 40K  
5.50 drlg f/5110 - 5173 w/40 pts on bit, 150 rpm, pump # 1 1850 psi, wt 9.9, wl 8.2, vis 43, 70% limestone, 30% shale. 11.5 ft per hr.  
0.50 rig serv, pump sweep, survey @ 5095 1.50 degree  
5.75 dril f/5173 - 5235 w/40 pts on bit pump # 1-1875 psi, rpm 150, vis 46, wt 9.8, 8.4, 100% limestone, 10.75 ft per hr

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>14-20-603-368</b>
2. NAME OF OPERATOR: <b>Resolute Natural Resources</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Nation</b>
3. ADDRESS OF OPERATOR: <b>1675 Broadway, Ste 1950</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		7. UNIT or CA AGREEMENT NAME: <b>Ratherford</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2016 FNL, 1928 FEL</b>		8. WELL NAME and NUMBER: <b>Ratherford Unit 8-32R</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWNE 8 41S 24E S</b>		9. API NUMBER: <b>4303750025</b>
		10. FIELD AND POOL, OR WILDCAT: <b>Greater Aneth</b>
		COUNTY: <b>San Juan</b>
		STATE: <b>UTAH</b>

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: <b>4/2/2012</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources submits that well was spud on April 2, 2012. Current status is drilling ahead.

NAME (PLEASE PRINT) <u>Sherry Glass</u>	TITLE <u>Sr. Regulatory Technician</u>
SIGNATURE <u><i>Sherry Glass</i></u>	DATE <u>5/3/2012</u>

(This space for State use only)

**RECEIVED**  
**MAY 07 2012**  
DIV. OF OIL, GAS & MINING

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Rutherford U 0832R**

API Number <b>43037500250000</b>	Section <b>8</b>	Township <b>41S</b>	Range <b>24E</b>	Field Name <b>Rutherford</b>	County <b>San Juan</b>	State/Province <b>Utah</b>	Wellbore Config <b>Vertical</b>
Ground Elevation (ft) <b>4,613.00</b>	Casing Flange Elevation (ft)	KB-Ground Distance (ft) <b>0.00</b>	KB-Casing Flange Distance (ft)	Well Spud Date/Time <b>4/2/2012 08:00</b>	Rig Release Date/Time		
Job Category <b>Drilling</b>	Primary Job Type <b>Drilling - re-entry</b>	Secondary Job Type					
Start Date <b>4/1/2012</b>	End Date	AFE Number <b>10011002</b>					
Objective The Rutherford Unit Team recommends re-drilling a vertical well, the 8-32R, completing entire wellbore, and producing primary, secondary & eventually tertiary reserves. The primary target is the DC-IIC subzone with additional upside in the Lower Ismay, DC-IC, DC-IIA, DC-IIB & DC-III.							
Contractor <b>DJ Drilling</b>			Rig Number <b>1</b>		Rig Type		
Report Start Date <b>2/15/2012</b>	Report End Date <b>2/15/2012</b>	Operations Summary <b>Remove guy wire off power pole for location prep</b>					
Report Start Date <b>2/17/2012</b>	Report End Date <b>2/17/2012</b>	Operations Summary <b>Jr Construction, reset anchor and resecured the power pole where location was prep for drilling, MOTE set and test 4 Anchors to 25K, test okay, Installed 4 marker and 4 Anchor tags</b>					
Report Start Date <b>4/1/2012</b>	Report End Date <b>4/2/2012</b>	Operations Summary <b>load out rig &amp; equipment from Rutherford 20-22H to location miru rig &amp; spot equipment, raised derrick @ 1100 hrs nu 20" flange &amp; bell nipple, rig up all lines to closed loop pits, fill storage &amp; pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am weld up 16" riser to rotating head &amp; flow T, ru gas buster lines, ru hcr valve for diverter &amp; 6" blooie line to lined pit complete nipple up of flow T to shakers drill rathole &amp; mousehole, rack out &amp; tally drill collars &amp; drill pipe bha</b>					
Dur (hrs)		Comment					
		2.00 load out rig & equipment from Rutherford 20-22H to location 3.00 miru rig & spot equipment, raised derrick @ 1100 hrs 4.00 nu 20" flange & bell nipple, rig up all lines to closed loop pits, fill storage & pits w/1440 bbls fresh h2o, notified Farmington BLM of spud time on 4/2/12 am 7.00 weld up 16" riser to rotating head & flow T, ru gas buster lines, ru hcr valve for diverter & 6" blooie line to lined pit 3.00 complete nipple up of flow T to shakers 5.00 drill rathole & mousehole, rack out & tally drill collars & drill pipe bha					
Report Start Date <b>4/2/2012</b>	Report End Date <b>4/3/2012</b>	Operations Summary <b>cont racking out drill collars &amp; drillpipe, Pu &amp; mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor Pu &amp; rih w/bit, mtr, 6' stripping rubber &amp; 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit ran w/ survey @ 90' 1 degree drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs change out stripping rubber for 6 1/2" dc &amp; 4 1/2" dp drill 248' - 339' w/8 pts on bit 135 rpm @ bit ran w/survey @ 274' 1 degree drill 339' - 497' w/8 pts on bit, 135 rpm @ bit ran w/ survey @ 390' 1 degree drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph ran w/ survey @ 541' 1 degree drill 608' - 761' w/10 pts on bit, 135 rpm @ bit ran w/ survey @ 691' 1 1/2 degrees drill 761' - 915' w/10 pts on bit 135 rpm @ bit ran w/ survey @ 843' 2 1/4 degrees reduced wob to 8 pts &amp; increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc &amp; 4-4 1/2" hwtd dp ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 &amp; s</b>					
Dur (hrs)		Comment					
		1.50 cont racking out drill collars & drillpipe, 0.50 Pu & mu Reed 14 3/4" Model RSR716M-B6 7 blade PDC bit, s/n 223338 jetted w/3 - 12's and 4 - 18's, 7 3/4" NOV straight dnhole motor 2.00 Pu & rih w/bit, mtr, 6' stripping rubber & 3 - 8" dc to tag @ 95', drill out f/95' - 155' w/465 gpm fresh h2o on hole, 135 rpm @ bit 0.50 ran w/ survey @ 90' 1 degree 1.00 drill 155' - 248' w/8 pts on bit, 135 rpm @ bit, total 4-8" dc in hole, start pu 6 1/2" dcs 1.00 change out stripping rubber for 6 1/2" dc & 4 1/2" dp 1.00 drill 248' - 339' w/8 pts on bit 135 rpm @ bit 0.50 ran w/survey @ 274' 1 degree 1.25 drill 339' - 497' w/8 pts on bit, 135 rpm @ bit 0.50 ran w/ survey @ 390' 1 degree 1.75 drill 497' - 608' w/8 - 10 pts on bit, 135 rpm @ bit, rop avg 90 fph 0.50 ran w/ survey @ 541' 1 degree 1.50 drill 608' - 761' w/10 pts on bit, 135 rpm @ bit 0.50 ran w/ survey @ 691' 1 1/2 degrees 2.00 drill 761' - 915' w/10 pts on bit 135 rpm @ bit 0.50 ran w/ survey @ 843' 2 1/4 degrees 2.00 reduced wob to 8 pts & increased to 144 rpm @ bit to straighten hole, drill 915' - 1006', total bha in hole bit, mtr, 4-8"dc, 20-6"dc & 4-4 1/2" hwtd dp 0.50 ran w/ survey @ 937' 2 1/2 degrees, lower wob to 7 pts w/144 rpm @ bit					

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00		KB-Casing Flange Distance (ft)		Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time

Dur (hrs)		Comment
2.25		drill 1006' - 1080' w/6 - 7 pts on bit, 144 rpm, well flowing water during connection, rtns 8.4# fluid, continue drilling and add duo-vis @ 1ppb, to mud up system
0.75		drill 1080' - 1116' w/7 pts on bit, 144 rpm, screens plugged off on shakers lost fluid to roll off bin, pu off bottom, sd pump, 1" flow from well, pump h2o back from bin
2.00		recip pipe hole good cond, ld 7 jts 4 1/2" dp to 896' circ hole, while bringing vis up to 35 & start adding bar to increase fluid wt to 8.6 - 8.8 ppg
Report Start Date 4/3/2012	Report End Date 4/4/2012	Operations Summary condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condition drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections ran w/ survey @ 1155' 1 degree drill f/1227' - 1475' td, ran w/ survey @ 1475' 1 3/4 degrees, ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe start tooh w/dp
Dur (hrs)		Comment
4.00		condition mud in system w/10.4 ppg mud from storage, brought mud wt up to 9.3 ppg while circulating, circ until trace of flow w/pump off
0.50		pu 7 singles of 4 1/2" dp & tih from 896', no ledges or tight spots hole in good condition
5.00		drill f/1116' - 1227' w/7 pts on bit @ 144 rpm @ bit, light 1/4" water flows during connections
0.50		ran w/ survey @ 1155' 1 degree
11.50		drill f/1227' - 1475' td
0.50		ran w/ survey @ 1475' 1 3/4 degrees
1.00		ran sweep of poly plus & nut plug, then spotted safecarb & nutplug, mica @ end of drillpipe
1.00		start tooh w/dp
Report Start Date 4/4/2012	Report End Date 4/5/2012	Operations Summary cont tooh w/drillpipe & collars, ld 4 - 8" collars well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t, returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job, jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok) pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @ 12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls, pumped 37.1 bbls tail @ 15.8 # 1.16 yield, 4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug calculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar, shut well in with 270 psi, r/u to pump down back side, pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange, woc checked for cement falling @ 0100 hrs it seems to be holding
Dur (hrs)		Comment
1.50		cont tooh w/drillpipe & collars, ld 4 - 8" collars
1.50		well flowing 1/2" stream to pits, open hcr divert flow to lined pit, nd flow t,
2.00		returns started to change from 9.3 ppg to 8.4 ppg dirty water, allow returns to clean up hauled all heavy mud returns to storage in 400 bbl tank on B414, and then started hauling fresh water returns to 15K battery @ Aneth, continue to haul while running casing
4.00		ru csg crew, jsa on communication on rig floor, pu & rih w/ 10 3/4" Hbton float shoe, 1 jt 10 3/4" 40.5# J-55 csg w/3 centralizers, 10 3/4" float collar, 34 more jts 10 3/4" csg, ran centralizer every 4th joint to surface, tag td @ 1475', pu 1' off bottom, hang in elevators, rd casing crew
1.00		spot Hbton & ru equipment, nu cmt head on 10 3/4" csg & chain down to floor, ru cmt line & fresh h2o to pump truck, have 800 bbls fresh on loc for cmt job,
0.50		jsa w/cmt & rig crew, pressure & staying clear of pressured line, pt lines to 4572 (ok)
2.00		pumped 20 bbls fresh h2o spacer, pumped 261bbls lead @ 12.5 # 1.88 yield 9.47 gal sk which is 780 sks, mix h2o 175.8 bbls, pumped 37.1 bbls tail @ 15.8 # 1.16 yield, 4.98 gal sks which is 180 sks, mix h2o 21.3. drop plug calculated 140.5 bbls displacement, pumped 100 bbls h2o displacement @ 4 bpm, then slowed to 2 bpm @ 100 bbls gone @ 104 bbls into displacement well pressured up to 1650 psi, locking up leaving 36.5 bbls of cmt in casing which is 372 ft above the float collar
0.50		shut well in with 270 psi, r/u to pump down back side
1.00		pumped 12.4 bbls cmt @ 15.8 # shut down watched cmt fall 5 ft, then pumped 2.5 bbls and waited one hour cmt fell 3 inches, left cmt @ top of conductor flange
10.00		woc checked for cement falling @ 0100 hrs it seems to be holding

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NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Report Start Date 4/5/2012	Report End Date 4/6/2012	Operations Summary woc get bop under sub clean bolts get ready to nipple up. cut conductor, 10 3/4 surface cut off 20 ft, weld well head on surface pipe. test well head 1000 psi for 5 mins (ok) n/u bop, hydrill, rotating head, choke manifold, flow line, notified blm farmington n.m of bop test got no call back from them. test bop, hydrill, choke manifold, acr valve wouldn't test had one hot shoted from weatherford, replace pipe ram rubbers, tested pipe rams, blind rams, choke manifold, @ 250 psi low for 5mins, 2000 psi for 10 mins, tested annular @ 250 low for 5 mins, 1500 psi for 10 mins, tested csg 600 psi for 30 mins, funtion test accumulator. tih with 10 stds drill collors, 2 sdts whdp, 10 stds d/p pick up 4 jts d/p.
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Dur (hrs)	Comment
2.50	woc get bop under sub clean bolts get ready to nipple up.
6.00	cut conductor, 10 3/4 surface cut off 20 ft, weld well head on surface pipe.
0.50	test well head 1000 psi for 5 mins (ok)
4.00	n/u bop, hydrill, rotating head, choke manifold, flow line, notified blm farmington n.m of bop test got no call back from them.
9.00	test bop, hydrill, chock manifold, acr valve wouldn't test had one hot shoted from weatherford, replace pipe ram rubbers, tested pipe rams, blind rams, choke manifold, @ 250 psi low for 5mins, 2000 psi for 10 mins, tested annular @ 250 low for 5 mins, 1500 psi for 10 mins, tested csg 600 psi for 30 mins, funtion test accumulator.
2.00	tih with 10 stds drill collors, 2 sdts whdp, 10 stds d/p pick up 4 jts d/p.

Report Start Date 4/6/2012	Report End Date 4/7/2012	Operations Summary cont tih taged cement @ 1067' float collar set @ 1432, we got 365' cement on top of float collar. drlg cement, bit # 2-97/8 reed m4214cp, ser # lw5114, 3-18 jets, with 1-16 center jet circ, tooth 11 stds d/p, 2 stds hwdp, 10 stds 6 1/2' d/c, jsa with wire line crew, r/u wire line. Run in hole with logging tool, log casing, cement around casing ok. r/d wire line crew, p/u motor, make up tih, drlg cement f/1461 to 1478, pump cement water from pits and hole to res pit drill f/1478 to 1540 wob15, rotate 60, pump # 1 130 spm, psi 1000. rop 15 to 20 fph will take survey around 1600 ft and adjust wob, rotate from there
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Dur (hrs)	Comment
2.00	cont tih taged cement @ 1067' float collar set @ 1432, we got 365' cement on top of float collar.
8.00	drlg cement, bit # 2-97/8 reed m4214cp, ser # lw5114, 3-18 jets, with 1-16 center jet.
0.50	circ
2.00	tooth 11 stds d/p, 2 stds hwdp, 10 stds 6 1/2' d/c
1.00	jsa with wire line crew, r/u wire line. Run in hole with logging tool, log casing, cement around casing ok.
0.50	r/d wire line crew
2.00	p/u motor, make up tih
1.00	drlg cement f/1461 to 1478
2.00	pump cement water from pits and hole to res pit
5.00	dril f/1478 to 1540 wob15, rotate 60, pump # 1 130 spm, psi 1000. rop 15 to 20 fph will take survey around 1600 ft and adjust wob, rotate from there

Report Start Date 4/7/2012	Report End Date 4/8/2012	Operations Summary drlg f/ 1540 to 1603, survey @ 1535 1 deg, drlg f/1603 to 1915 change wt on bit from 15000 to 25000 rop went from 18ft per hr to 40 ft per hr will survey again in 300 ft, survey @ 1844 1 deg, serv rig, drlg f/1915 to 2230, survey @ 2158 2 deg, drlg f/2230 to 2386 back off wt on bit to 18000, survey @ 2315 11/2 deg
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Dur (hrs)	Comment
4.00	drlg f/ 1540 to 1603
0.50	survey @ 1535 1 deg
9.50	drlg f/1603 to 1915 change wt on bit from 15000 to 25000 rop went from 18ft per hr to 40 ft per hr will survey again in 300 ft
0.50	survey @ 1844 1 deg, serv rig
6.00	drlg f/1915 to 2230
0.50	survey @ 2158 2 deg
2.50	drlg f/2230 to 2386 back off wt on bit to 18000
0.50	survey @ 2315 11/2 deg

Report Start Date 4/8/2012	Report End Date 4/9/2012	Operations Summary drlg f/ 2386 to 2544, survey @ 2477 2 deg, drlg f/ 2544 to 2732, work tight hole f/2732 to 2660 hole sloffing on us, cleaned up hole maid conn, drlg f/2732 to 2793 build vis up to 40 again, dawn crew added h20 to there pits, survey @ 2723 1.5 deg, drlg f/2793 to 2856
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Dur (hrs)	Comment
5.50	drlg f/ 2386 to 2544
0.50	survey @ 2477 2 deg
4.50	drlg f/ 2544 to 2732
2.00	work tight hole f/2732 to 2660 hole sloffing on us, cleaned up hole maid conn
5.50	drlg f/2732 to 2793 build vis up to 40 again, dawn crew added h20 to there pits
0.50	survey @ 2723 1.5 deg
5.50	drlg f/2793 to 2856



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NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Report Start Date 4/9/2012	Report End Date 4/10/2012	Operations Summary drlg f/2856 to 2919, survey @ 2848 11/2 deg, drlg f/2919 to 2950, drlg f/2950 to 3104, survey @ 3033 @ 21/4 deg, drlg f/3104 to 3120 had drill back off wt on bit from 27000, to 25000
Dur (hrs)		Comment
		7.00 drlg f/2856 to 2919 0.50 survey @ 2848 11/2 deg 2.50 drlg f/2919 to 2950 13.00 drlg f/2950 to 3104 0.50 survey @ 3033 @ 21/4 deg 0.50 drlg f/3104 to 3120 had drill back off wt on bit from 27000, to 25000
Report Start Date 4/10/2012	Report End Date 4/11/2012	Operations Summary drill f/3120 to 3267' w/26 pts on bit, rop avg 12.5 fph, 140 rpm @ bit, drill f/3267' - 3279', ran w/ survey @ 3220' 3 1/2 degrees, drill f/3279' - 3355' lowered wob 2 pts to 24k to straighten hole, will survey again in 2 kellys down, ran w/ survey @ 3282' 3 degrees, drill f/3355' - 3380' w/24 pts on bit, 140 rpm @ bit, returns 100% shale, mud weight 9.6 vis 46 ph 9 water loss 14
Dur (hrs)		Comment
		12.00 drill f/3120 to 3267' w/26 pts on bit, rop avg 12.5 fph, 140 rpm @ bit 2.25 drill f/3267' - 3279' 0.50 ran w/ survey @ 3220' 3 1/2 degrees 6.00 drill f/3279' - 3355' lowered wob 2 pts to 24k to straighten hole, will survey again in 2 kellys down 0.50 ran w/ survey @ 3282' 3 degrees 2.75 drill f/3355' - 3380' w/24 pts on bit, 140 rpm @ bit, returns 100% shale, mud weight 9.6 vis 46 ph 9 water loss 14
Report Start Date 4/11/2012	Report End Date 4/12/2012	Operations Summary drill f/3380' - 3402' w/24 pts on bit, rop dropping steadily to 6 fph, decide to make bit trip, bit has 129 hrs, hang back kelly & tooth w/16 stds of 4 1/2" dp, hole sticky, rih w/1 std & circ 45 mins to slick up hole, cont tooth w/26 more stds dp, 2 stds 4 1/2" hvywt dp, 10 stds 6 1/2" dcs, xo, motor & 9 7/8" bit, bit outer teeth worn, bearings tight, would not re-run bit, ld motor & bit, mu new Reed 9 7/8bit, Mod R25AP mtr, xo, 10 stds 6 1/2" dc, 2 stds 4 1/2" hvywt dp, 26 stds 4 1/2" dp, tag ledge @ 2425', kelly up & ream thru shale section, hang back kelly, ld 8 jts dp, tih w/4 stds dp, ream & circ w/ singles thru tight hole section from 2425' - 2712', cont tih w/dp stds to 3402', drill 3402' - 3420', ran w/ survey @ 3344' 3 degrees, drill 3420' - 3468' w/24 pts on bit, 140 rpm, 80% sandstone 20% shale, mud weight 9.7 ppg, vis 46, ph 10, water loss 14
Dur (hrs)		Comment
		4.00 drill f/3380' - 3402' w/24 pts on bit, rop dropping steadily to 6 fph, decide to make bit trip, bit has 129 hrs, hang back kelly & tooth w/16 stds of 4 1/2" dp, hole sticky, rih w/1 std & circ 45 mins to slick up hole, cont tooth w/26 more stds dp, 2 stds 4 1/2" hvywt dp, 10 stds 6 1/2" 4.00 dcs, xo, motor & 9 7/8" bit, bit outer teeth worn, bearings tight, would not re-run bit, ld motor & bit, mu new Reed 9 7/8bit, Mod R25AP mtr, xo, 10 stds 6 1/2" dc, 2 stds 4 1/2" hvywt dp, 26 stds 4 1/2" dp, tag ledge @ 2425', kelly up & ream 8.50 thru shale section, hang back kelly, ld 8 jts dp, tih w/4 stds dp, ream & circ w/ singles thru tight hole section from 2425' - 2712', cont tih w/dp stds to 3402' 2.00 drill 3402' - 3420' 0.50 ran w/ survey @ 3344' 3 degrees 5.00 drill 3420' - 3468' w/24 pts on bit, 140 rpm, 80% sandstone 20% shale, mud weight 9.7 ppg, vis 46, ph 10, water loss 14
Report Start Date 4/12/2012	Report End Date 4/13/2012	Operations Summary drill f/3468' - 3570' w/24 pts on bit 140 rpm, 95% shale/5% sandstone, rig service and w/ survey @ 3505' 2 1/2 degrees, drill f/3570' - 3664' w/24 pts on bit 140 rpm, 95% sandstone/5% shale, ran w/ survey @ 3591' 1 3/4 degrees, drill f/3664' - 3696' w/24 pts on bit 140 rpm, 80% sandstone/20% shale
Dur (hrs)		Comment
		10.00 drill f/3468' - 3570' w/24 pts on bit 140 rpm, 95% shale/5% sandstone 0.50 rig service and w/ survey @ 3505' 2 1/2 degrees 9.25 drill f/3570' - 3664' w/24 pts on bit 140 rpm, 95% sandstone/5% shale 0.50 ran w/ survey @ 3591' 1 3/4 degrees 3.75 drill f/3664' - 3696' w/24 pts on bit 140 rpm, 80% sandstone/20% shale
Report Start Date 4/13/2012	Report End Date 4/14/2012	Operations Summary drill f/3696' - 3728' 24 pts on bit, 140 rpm, 100% shale, mud wt 9.8 ppg, vis 45, water loss 10, ph 9, rop 11.6 fph, rig service, drill f/3728' - 3821' w/24 pts on bit, 140 rpm, 95% shale/5% sandstone, mud wt 9.7 ppg, vis 43, water loss 10.4, ph 9 rop 8.6 fph, ran w/ survey @ 3755' 2 degrees, drill f/3821' - 3850' increased wob to 26k increased rpm to 150 rpm, 95% shale/5% sandstone, 9.6 fph, drill f/3850' - 3855' 26k on bit, 150 rpm, 60% shale/40% sandstone, mud weight 9.7 ppg, vis 40, water loss 12 ph 9, pu off bottom & circ while repairing closed loop generator, cont drill from 3855' - 3889' w/26 pts on bit, 150 rpm, 80% sandstone/20% shale, mud weight 9.8, vis 45, water loss 10, ph 9 rop 7.5 fph
Dur (hrs)		Comment
		2.75 drill f/3696' - 3728' 24 pts on bit, 140 rpm, 100% shale, mud wt 9.8 ppg, vis 45, water loss 10, ph 9, rop 11.6 fph 0.75 rig service

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NATURAL RESOURCES

**Daily Activity Report****Well Name: Rutherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Rutherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Dur (hrs)		Comment
		10.75 drill f/3728' - 3821' w/24 pts on bit, 140 rpm, 95% shale/5% sandstone, mud wt 9.7 ppg, vis 43, water loss 10.4, ph 9 rop 8.6 fph 0.50 ran w/ survey @ 3755' 2 degrees, 3.00 drill f/3821' - 3850' increased wob to 26k increased rpm to 150 rpm, 95% shale/5% sandstone, 9.6 fph 1.25 drill f/3850' - 3855' 26k on bit, 150 rpm, 60% shale/40% sandstone, mud weight 9.7 ppg, vis 40, water loss 12 ph 9 0.50 pu off bottom & circ while repairing closed loop generator 4.50 cont drill from 3855' - 3889' w/26 pts on bit, 150 rpm, 80% sandstone/20% shale, mud weight 9.8, vis 45, water loss 10, ph 9 rop 7.5 fph
Report Start Date 4/14/2012	Report End Date 4/15/2012	Operations Summary drill f/3889' - 3923, wob 26000, 150 rpm, 90% shale, 10 % sand stone, vis 45, wt 9.8, wl 10, ph 9, 6.8 ft per hr. pump # 1-131 stk @1700 psi, rop 6.8, change out dawn generator, drlg f/3923 to 3953 wob 26000, 150 rpms, pump #1 131 stks @ 1700 psi, 65% shale, 20% limestone, 15% sandstone, vis 48, wt 9.4, ph 9. rop 6.6, drlg f/3953 to 4006 wob 26000, 150 rpm, pump # 1 131 stks @ 1700 psi, 35% shale, 5 % limestone, 60% sandstone, vis 45, wt 9.9, ph 9. rop 7, survey @ 3966 1 1/4 deg, drlg f/4006 to 4051 change wt on bit from 26000 to 28000, 150 rpm, pump # 1 130 stks @ 1700 psi, 95% shale, 5% limestone, vis 45, wt 9.8, ph 9, wl 10. rop 7.5
		Comment
		5.00 drill f/3889' - 3923, wob 26000, 150 rpm, 90% shale, 10 % sand stone, vis 45, wt 9.8, wl 10, ph 9, 6.8 ft per hr. pump # 1-131 stk @1700 psi, rop 6.8 0.50 change out dawn generator 4.50 drlg f/3923 to 3953 wob 26000, 150 rpms, pump #1 131 stks @ 1700 psi, 65% shale, 20% limestone, 15% sandstone, vis 48, wt 9.4, ph 9. rop 6.6 7.50 drlg f/3953 to 4006 wob 26000, 150 rpm, pump # 1 131 stks @ 1700 psi, 35% shale, 5 % limestone, 60% sandstone, vis 45, wt 9.9, ph 9. rop 7 0.50 survey @ 3966 1 1/4 deg 6.00 drlg f/4006 to 4051 change wt on bit from 26000 to 28000, 150 rpm, pump # 1 130 stks @ 1700 psi, 95% shale, 5% limestone, vis 45, wt 9.8, ph 9, wl 10. rop 7.5
Report Start Date 4/15/2012	Report End Date 4/16/2012	Operations Summary drlg f/ 4051 to 4069 wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% limestone, vis 45, wt 9.7, wl 10, ph 9, rop 7.2, serv rig, drlg f/4069 to 4122, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone vis 43, wt 9.9, wl 13, ph 9, rop 7.5, dril f/4122 to 4175, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 44, wt 9.8, wl 12, ph 9, rop 6.6, dril f/4175 to 4220, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 43, wt 9.9, wl 12, ph 9, rop 7.5. will survey this kelly down @ 4225'
		Comment
		2.50 drlg f/ 4051 to 4069 wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% limestone, vis 45, wt 9.7, wl 10, ph 9, rop 7.2 0.50 serv rig 7.00 drlg f/4069 to 4122, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone vis 43, wt 9.9, wl 13, ph 9, rop 7.5 8.00 dril f/4122 to 4175, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 44, wt 9.8, wl 12, ph 9, rop 6.6 6.00 dril f/4175 to 4220, wob 28000, rpm 150, pump # 1 1720 psi, 80% shale, 20% sandstone, vis 43, wt 9.9, wl 12, ph 9, rop 7.5. will survey this kelly down @ 4225'
Report Start Date 4/16/2012	Report End Date 4/17/2012	Operations Summary drlg f/4220 to 4227 wob 28000 rpm 150, pump # 1 130 stks @ 1700psi, 95% sandstone, 5% shale, vis 44, wt 9.9, wl 12, ph 9, rop 7ft per hr, serv rig, survey @ 4154 1 deg, drlg f/4227 to 4287 change wt on bit from 28000, to 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 85% shale, 15% sandstone, vis 43, wt 9.8, wl 14, ph 9., rop 6.6 ft per hr, serv rig, drlg f/ 4287 to 4345, wob 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 90% shale, 10% sandstone, vis 44, wt 9.9, wl 14, ph 9, rop 8.2 ft per hr, drlg f/ 4345 to 4390, wob 32000, rpm 150, pump # 1 130 stks @ 1700 psi, 100% shale, vis 45, wt 9.9, wl 14, ph 9, rop 7.5 ft per hr
		Comment
		1.00 drlg f/4220 to 4227 wob 28000 rpm 150, pump # 1 130 stks @ 1700psi, 95% sandstone, 5% shale, vis 44, wt 9.9, wl 12, ph 9, rop 7ft per hr 0.50 serv rig, survey @ 4154 1 deg, 9.00 drlg f/4227 to 4287 change wt on bit from 28000, to 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 85% shale, 15% sandstone, vis 43, wt 9.8, wl 14, ph 9, rop 6.6 ft per hr 0.50 serv rig 7.00 drlg f/ 4287 to 4345, wob 31000, rpm 150, pump # 1 130 stks @ 1700 psi, 90% shale, 10% sandstone, vis 44, wt 9.9, wl 14, ph 9, rop 8.2 ft per hr 6.00 drlg f/ 4345 to 4390, wob 32000, rpm 150, pump # 1 130 stks @ 1700 psi, 100% shale, vis 45, wt 9.9, wl 14, ph 9, rop 7.5 ft per hr

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Report Start Date 4/17/2012	Report End Date 4/18/2012	Operations Summary drlg f/4390 to 4415, wob 32000, rpm 150, pump # 2 130 stks @ 1475, 100% shale, vis 44, wt 9.9, wl 13, ph 9, rop 8.3 ft per hr. rig serv, survey @ 4342 1 deg. drlg f/4415 to 4473 change wt on bit from 32000 to 34000, pump # 2 130 stks @ 1475 psi, 70% shale, 25 % sandstone, 5 % limestone, rop 8.9 ft per hr, dril f/4473 to 4503 wob 34000, rpm 150, pump # 1 130 stks 1700 psi, 60% limestone, 20% shale, 20% sand stone, rop 8.5 per hr, bit started torqueing up, loseing, diff presser, put more wt on bit to check motor and diff presser presser still wouldn't come up, circ pump flush for tooh, tooh, bit hrs 135, motor hrs 167, bit drlg 1101 ft, ave ft per hr 8.1, hole pulling tigh f/4408 to 3962, clean pit while tripping. finesh cleaning pits, tih taged at 2420, ld 6 jts, tih with 3 stds
Dur (hrs)		Comment 3.00 drlg f/4390 to 4415, wob 32000, rpm 150, pump # 2 130 stks @ 1475, 100% shale, vis 44, wt 9.9, wl 13, ph 9, rop 8.3 ft per hr. 0.50 rig serv, survey @ 4342 1 deg 6.50 drlg f/4415 to 4473 change wt on bit from 32000 to 34000, pump # 2 130 stks @ 1475 psi, 70% shale, 25 % sandstone, 5 % limestone, rop 8.9 ft per hr 3.50 dril f/4473 to 4503 wob 34000, rpm 150, pump # 1 130 stks 1700 psi, 60% limestone, 20% shale, 20% sand stone, rop 8.5 per hr, bit started torqueing up, loseing diff presser, put more wt on bit to check motor and diff presser presser still wouldn't come up 0.50 circ pump flush for tooh 4.50 tooh, bit hrs 135, motor hrs 167, bit drlg 1101 ft, ave ft per hr 8.1, hole pulling tigh f/4408 to 3962, clean pit while tripping. 1.00 finesh cleaning pits 3.50 tih taged at 2420 0.50 ld 6 jts 0.50 tih with 3 stds
Report Start Date 4/18/2012	Report End Date 4/19/2012	Operations Summary wash & ream f/ 2420 to 3005 hole fell in on us packed off tight, 35000 to 45000 on bit to wash & ream, pump # 1 112 stks @ 1030 psi, vis 43 wt 9.8 wl 14 ph 10, tih f/3005 to 4353 work tight hole f/4353, hole out of gauge, ream 150 ft to 4503, td at bit trip, pump # 1 109 stks @ 1230 psi, pumped flushes around while washing & reaming brought back a lot of pea sized cutting, filled shaker screens up. drlg f/4503 to 4563 wob 36000 to 38000, pump # 1 127 stks @ 1522 psi, rpm 65, vis 44, wt 9.9, wl 9, 60 % sandstone, 40% shale, rop 7 ft per hr
Dur (hrs)		Comment 10.00 wash & ream f/ 2420 to 3005 hole fell in on us packed off tight, 35000 to 45000 on bit to wash & ream, pump # 1 112 stks @ 1030 psi, vis 43 wt 9.8 wl 14 ph 10, 0.50 tih f/3005 to 4353 4.00 work tight hole f/4353, hole out of gauge, ream 150 ft to 4503, td at bit trip, pump # 1 109 stks @ 1230 psi, pumped flushes around while washing & reaming brought back a lot of pea sized cutting, filled shaker screens up. 8.50 drlg f/4503 to 4563 wob 36000 to 38000, pump # 1 127 stks @ 1522 psi, rpm 65, vis 44, wt 9.9, wl 9, 60 % sandstone, 40% shale, rop 7 ft per hr.
Report Start Date 4/19/2012	Report End Date 4/20/2012	Operations Summary drlg f/ 4563 to 4580, wob 28000 to 30000, rpm 65, vis 45 wt 9.8, wl 9, 100 % sandstone rop 6.8 ft per hr. survey @ 4539 3 deg serv rig dril f/4580 to 4611 , backed wob off to 26000 to 28000, rpm form 65 to 80, to try to bring hole back stright, will dril 30 ft of hole and run survey to see if its working. survey @ 4571 2 1/4 deg, ser rig drlg f/4611 to 4642 wob 26000 to 28000 rpm 82, vis 44, wt 9.8, wl 9, 65 % limestone, 25 % sandstone, 10 % shale, tr pyrite, will run a survey in 30 ft. rop 6.8 ft per hr circ run survey @ 4602 3 deg drlg f/4642 to 4648 wob 24000 to 2000, rpm 82 string got to jumping bad couldn't put enough wt and rpm to smooth it out because of hole deviation. circ for tooh tooh to pick up motor and 4- 8" collors, hole tight f/2280 to 2220, bit was balled up with grey clay I think its from our tight spot. get motor & collors to cat walk, id & od collors, ser rig change oil in draw works pu bit, motor, 8" collors m/u tih, rerun bit # 4  bit # 4 in the hole @ 4503, out at 4648, total footage 145 ft, hrs on bit 22, ave rop 6.5 jas on hot weather, bop drill 35 seconds to muster.
Dur (hrs)		Comment 2.50 drlg f/ 4563 to 4580, wob 28000 to 30000, rpm 65, vis 45 wt 9.8, wl 9, 100 % sandstone rop 6.8 ft per hr. 0.50 survey @ 4539 3 deg serv rig 5.00 dril f/4580 to 4611 , backed wob off to 26000 to 28000, rpm form 65 to 80, to try to bring hole back stright, will dril 30 ft of hole and run survey to see if its working. 0.50 survey @ 4571 2 1/4 deg, ser rig 5.00 drlg f/4611 to 4642 wob 26000 to 28000 rpm 82, vis 44, wt 9.8, wl 9, 65 % limestone, 25 % sandstone, 10 % shale, tr pyrite, will run a survey in 30 ft. rop 6.8 ft per hr 1.00 circ run survey @ 4602 3 deg 0.50 drlg f/4642 to 4648 wob 24000 to 26000, rpm 82 string got to jumping bad couldn't put enough wt and rpm to smooth it out because of hole deviation. 1.00 circ for tooh

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NATURAL RESOURCES

**Daily Activity Report**Well Name: **Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Dur (hrs)		Comment
4.00		tooth to pick up motor and 4- 8" collors, hole tight f/2280 to 2220, bit was balled up with grey clay I think its from our tight spot.
2.00		get motor & collors to cat walk,id & od collors, ser rig change oil in draw works
2.00		pu bit,motor,8"collors m/u tih,rerun bit # 4
Report Start Date 4/20/2012	Report End Date 4/21/2012	Operations Summary cont tih w/motor 4-8"dc,20-6"collors,4jts whdp,bha length 884.13, 59 sdts dp + 1 single tag again @ 2440.wash & ream, 2416 to 2450, reamed 34ft while washing & reaming hole keeps falling in on us, mix flushes seams to help cont to wash & ream f/2450 to 2478,call Ralph Smith the mud man he told us to mix every sks of asphasol supreme we had on loction 88 sks, hole still fallin in keep working pipe & cond hole.pumping sweep every 60 ft of pipe we get in the hole, bringing back grey shale every flush,some times a lot, some time not very much.wash & ream f/ 2478 to 2549, reamed 71 ft, hang kelly tih 1 std l/d top jt, p/u kelly ream f/2549 to 2707, hole freed up @ 2707, reamed 158 ft., hang kelly tih tagged @ 4590, p/u kelly ream f/4575 to 4648, reamed 78 ft, to bottom, drlg f/4648 to 4672 wob 2600 to 28000, rpm 140, pump # 2 129 stks @ 1543 psi, wt 9.8 vis 45, wl 8.8, ph 10, 70% sandstone, 30% shale, will survey this kelly down
Dur (hrs)		Comment
0.50		cont tih w/motor 4-8"dc,20-6"collors,4jts whdp,bha length 884.13, 59 sdts dp + 1 single
1.50		tag again @ 2440,wash & ream, 2416 to 2450, reamed 34ft while washing & reaming hole keeps falling in on us, mix flushes seams to help
8.00		cont to wash & ream f/2450 to 2478,call Ralph Smith the mud man he told us to mix every sks of asphasol supreme we had on loction 88 sks, hole still fallin in keep working pipe & cond hole.pumping sweep every 60 ft of pipe we get in the hole, bringing back grey shale every flush,some times a lot, some time not very much.
4.00		wash & ream f/ 2478 to 2549, reamed 71 ft
0.50		hang kelly tih 1 std l/d top jt
3.50		p/u kelly ream f/2549 to 2707, hole freed up @ 2707, reamed 158 ft.
1.50		hang kelly tih tagged @ 4590
1.00		p/u kelly ream f/4575 to 4648, reamed 78 ft, to bottom
3.50		drlg f/4648 to 4672 wob 2600 to 28000, rpm 140, pump # 2 129 stks @ 1543 psi, wt 9.8 vis 45, wl 8.8, ph 10, 70% sandstone, 30% shale, will survey this kelly down
Report Start Date 4/21/2012	Report End Date 4/22/2012	Operations Summary drlg f/4672 to 4674 wob 24000 to 26000 pump # 2 129sks @ 1543, wt 9.8, vis 45, wl 8.8, ph 10,705 sandstone, 30% shale circ & survey @ 4599 2.25 deg, serv rig drlg f/4674 to 4768' wob 26k to 28k pump # 1 127 sks @ 1800 psi, rpm 159, wt 9.8, vis 45, wl 8.8, ph 10, 50% sandstone/40% shale/10% limestone ran wl survey @ 4688' 2.25 deg. drlg f/4768' - 4844', wob 28k, pump #1 125 stks @ 1730 psi, rpm 152, wt 9.8, vis 48, wl 8.8, ph 10, 80% limestone/10% sandstone/10% shale
Dur (hrs)		Comment
1.00		drlg f/4672 to 4674 wob 24000 to 26000 pump # 2 129sks @ 1543, wt 9.8, vis 45, wl 8.8, ph 10,705 sandstone, 30% shale
1.00		circ & survey @ 4599 2.25 deg, serv rig
11.00		drlg f/4674 to 4768' wob 26k to 28k pump # 1 127 sks @ 1800 psi, rpm 159, wt 9.8, vis 45, wl 8.8, ph 10, 50% sandstone/40% shale/10% limestone
0.50		ran wl survey @ 4688' 2.25 deg
10.50		drlg f/4768' - 4844', wob 28k, pump #1 125 stks @ 1730 psi, rpm 152, wt 9.8, vis 48, wl 8.8, ph 10, 80% limestone/10% sandstone/10% shale
Report Start Date 4/22/2012	Report End Date 4/23/2012	Operations Summary drlg f/4844' - 4861' wob 28k, pump psi 1700#, rpm 152, wt 9.8, vis 47, wl 8.9, ph 10, 80% sandstone/10% limestone/10% shale ran wl survey @ 4786' 2 degrees, rig service drlg f/4861' - 4870' wob 28k pump psi 1760# rpm 152, wt 9.9 vis 43, wl 8.8 ph 10 100% limestone, increased wob to 30K due to limestone formation drlg f/4870' - 4955' wob 30k pump psi 1800#, rpm 153, wt 9.8, vis 43, wl 10 ph 10.5, 65% sandstone/30% limestone/5% shale ran wl survey @ 4876' 1.75 degrees, rig service drlg f/4955' - 5014' wob 35 k, pump psi 1800#, rpm 153, wt 9.9 vis 43, wl 8, ph 9.5 80% limestone/20% shale
Dur (hrs)		Comment
2.25		drlg f/4844' - 4861' wob 28k, pump psi 1700#, rpm 152, wt 9.8, vis 47, wl 8.9, ph 10, 80% sandstone/10% limestone/10% shale
0.50		ran wl survey @ 4786' 2 degrees, rig service
1.25		drlg f/4861' - 4870' wob 28k pump psi 1760# rpm 152, wt 9.9 vis 43, wl 8.8 ph 10 100% limestone, increased wob to 30K due to limestone formation
12.00		drlg f/4870' - 4955' wob 30k pump psi 1800#, rpm 153, wt 9.8, vis 43, wl 10 ph 10.5, 65% sandstone/30% limestone/5% shale
0.50		ran wl survey @ 4876' 1.75 degrees, rig service
7.50		drlg f/4955' - 5014' wob 35 k, pump psi 1800#, rpm 153, wt 9.9 vis 43, wl 8, ph 9.5 80% limestone/20% shale

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NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Report Start Date 4/23/2012	Report End Date 4/24/2012	Operations Summary drlg f/5014' - 5046' w/38 pts on bit, 152 rpm 1800# pump psi, wt 10, vis 43, wl 8.8, ph 9.5 80% limestone/20% shale, ran wl survey @ 4975' 2.5 degrees, keep weight at 38 pts w/12 fph p rate and recheck survey in another 100', drlg f/5046' - 5110' w/38 pts on bit, 152 rpm, 1884# pump psi, wt 10, vis 50, wl 9.6, ph 10, 85% shale/15% limestone p rate from 7.8 - 10.5 fph, ran wl survey @ 5033' 1 degree added 2 pts wob to 40K, drlg f/5110 - 5173 w/40 pts on bit, 150 rpm, pump # 1 1850 psi, wt 9.9, wl 8.2, vis 43, 70% limestone, 30% shale. 11.5 ft per hr, rig serv, pump sweep, survey @ 5095 1.50 degree dril f/5173 - 5235 w/40 pts on bit pump # 1-1875 psi, rpm 150, vis 46, wt 9.8, 8.4, 100% limestone, 10.75 ft per hr
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Dur (hrs)	Comment
3.25	drlg f/5014' - 5046' w/38 pts on bit, 152 rpm 1800# pump psi, wt 10, vis 43, wl 8.8, ph 9.5 80% limestone/20% shale
0.50	ran wl survey @ 4975' 2.5 degrees, keep weight at 38 pts w/12 fph p rate and recheck survey in another 100'
8.00	drlg f/5046' - 5110' w/38 pts on bit, 152 rpm, 1884# pump psi, wt 10, vis 50, wl 9.6, ph 10, 85% shale/15% limestone p rate from 7.8 - 10.5 fph
0.50	ran wl survey @ 5033' 1 degree added 2 pts wob to 40K
5.50	drlg f/5110 - 5173 w/40 pts on bit, 150 rpm, pump # 1 1850 psi, wt 9.9, wl 8.2, vis 43, 70% limestone, 30% shale. 11.5 ft per hr.
0.50	rig serv, pump sweep, survey @ 5095 1.50 degree
5.75	dril f/5173 - 5235 w/40 pts on bit pump # 1-1875 psi, rpm 150, vis 46, wt 9.8, 8.4, 100% limestone, 10.75 ft per hr

Report Start Date 4/24/2012	Report End Date 4/25/2012	Operations Summary drlg f/5235- 5256 w/40 pts on bit,pump # 1-122 stks @ 1875 psi, rpm 150, vis 45, wt 9.9, wl 8.4, rop 7 ft per hr, 90% shale, 10% limestone. circ, survey @ 5190 1.75 deg.rig ser, pull 120 bbls fluid from pits, so we could put produced water back in mud system to reduce mud wt. drlg f/5256 - 5324 w/40 pts on bit, pump # 1- 122 stks @ 1850 psi, rpm 150, vis 44, wt 9.9, wl 8.6, rop 12 ft per hr, 95% line, 5% shale circ survey @ 5249 1.75 deg drlg f/5324 - 5412 td, w/40 pts,pump # 1-122 stkd @ 1850 psi, rpm 150, vis 43, wt 10, wl 8.0, rop 12 ft per hr, 60% shale,10% dolomite, 30% limestone. pump sweep circ to ck sample short tooh to 1897,had some tight spots @ 5337,5233,5153,5053,5025,4885,4475,4036,2633, the only tight spot in the upper hole was @ 2633 pulled 30,000 over tih tag fill @ 5195 wash & ream to 5412 td
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Dur (hrs)	Comment
3.00	drlg f/5235- 5256 w/40 pts on bit,pump # 1-122 stks @ 1875 psi, rpm 150, vis 45, wt 9.9, wl 8.4, rop 7 ft per hr, 90% shale, 10% limestone.
0.50	circ, survey @ 5190 1.75 deg.rig ser,
0.50	pull 120 bbls fluid from pits, so we could put produced water back in mud system to reduce mud wt.
5.50	drlg f/5256 - 5324 w/40 pts on bit, pump # 1- 122 stks @ 1850 psi, rpm 150, vis 44, wt 9.9, wl 8.6, rop 12 ft per hr, 95% line, 5% shale
0.50	circ survey @ 5249 1.75 deg
7.50	drlg f/5324 - 5412 td, w/40 pts,pump # 1-122 stkd @ 1850 psi, rpm 150, vis 43, wt 10, wl 8.0, rop 12 ft per hr, 60% shale,10% dolomite, 30% limestone.
1.00	pump sweep circ to ck sample
2.50	short tooh to 1897,had some tight spots @ 5337,5233,5153,5053,5025,4885,4475,4036,2633, the only tight spot in the upper hole was @ 2633 pulled 30,000 over
1.50	tih tag fill @ 5195
1.50	wash & ream to 5412 td

Report Start Date 4/25/2012	Report End Date 4/26/2012	Operations Summary circ,pump sweep after short trip,survey @ 5345 2.25 deg l/d 6 jts d/p tooh for logs, l/d 4 - 8" dc, hole showed a little drag @ 4005,3737,2350, 2185, didn't pull over 22,000 over string wt. safety meeting w/ weatherford, r/u wire line, log well, logs went to 2400' and stoped.pull out of hole with logging tools r/d,sent then home as per Bill Ordemann orders tih to shoe circ & cond mud to a 90 vis tih tag @ 2400' kellyed up break circ start washing & reaming,bringing back dime sized and pea sized shale.took 4 hrs to wash the first 40' of hole,worked hole made sure it was clean
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Dur (hrs)	Comment
1.50	circ,pump sweep after short trip,survey @ 5345 2.25 deg
5.50	l/d 6 jts d/p tooh for logs, l/d 4 - 8" dc, hole showed a little drag @ 4005,3737,2350, 2185, didn't pull over 22,000 over string wt.
3.50	safety meeting w/ weatherford, r/u wire line, log well, logs went to 2400' and stoped.pull out of hole with logging tools r/d,sent then home as per Bill Ordemann orders
1.50	tih to shoe
5.00	circ & cond mud to a 90 vis
1.00	tih tag @ 2400'
6.00	kellyed up break circ start washing & reaming,bringing back dime sized and pea sized shale.took 4 hrs to wash the first 40' of hole,worked hole made sure it was clean

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number <b>43037500250000</b>	Section <b>8</b>	Township <b>41S</b>	Range <b>24E</b>	Field Name <b>Ratherford</b>	County <b>San Juan</b>	State/Province <b>Utah</b>	Wellbore Config <b>Vertical</b>
Ground Elevation (ft) <b>4,613.00</b>	Casing Flange Elevation (ft)	KB-Ground Distance (ft) <b>0.00</b>		KB-Casing Flange Distance (ft)	Well Spud Date/Time <b>4/2/2012 08:00</b>	Rig Release Date/Time	

Report Start Date <b>4/26/2012</b>	Report End Date <b>4/27/2012</b>	Operations Summary wash & ream f/2406 to 2452, wob 10,000 to 14,000, rpm 80, pump # 1 @ 1100 psi, mud wt 10 vis 80, wl 6.0, ph 8.2 wash & ream f/2452 to 2648 wob 10,000 to 14,000, rpm 80, pump # 1 @1150psi mud 9.9, vis 92, wl 6.0 ph 9, hole cleaning up good now mix sweep circ around, to l/d 6 jts w/kelly to 2420. tih w/11 stds d/p to 3106 kelly up break circ @ 3106, mix sweep and circ, wind got to blowing to bad to cont tih. hang kelly cont tih tag @ 5089 kelly up break circ @ 5089, ream through bridge f/5089 to 5109 tih w/kelly tagged bridges @ these depths 5151-5173, 5208-5344, 5332-5369, then we got to 5400 and reamed to 5412, circ & cond mud to a 90 vis, 11ppg wt, while building wt started getting heavy returns, with vis @ 92 wt @ 10.5 circ untill shaker screens showed no cuttings, pumped a flush at that time wated for it to return brought back very little tooh had crew chain out, hole tight f/4700-4369 no trouble with top part of hole
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Dur (hrs)	Comment
2.00	wash & ream f/2406 to 2452, wob 10,000 to 14,000, rpm 80, pump # 1 @ 1100 psi, mud wt 10 vis 80, wl 6.0, ph 8.2
5.00	wash & ream f/2452 to 2648 wob 10,000 to 14,000, rpm 80, pump # 1 @1150psi mud 9.9, vis 92, wl 6.0 ph 9, hole cleaning up good now
0.50	mix sweep circ around, to l/d 6 jts d/p
1.00	l/d 6 jts w/kelly to 2420.
0.50	tih w/11 stds d/p to 3106
1.50	kelly up break circ @ 3106, mix sweep and circ, wind got to blowing to bad to cont tih.
1.00	hang kelly cont tih tag @ 5089
0.50	kelly up break circ @ 5089, ream through bridge f/5089 to 5109
2.00	tih w/kelly tagged bridges @ these depths 5151-5173, 5208-5344, 5332-5369, then we got to 5400 and reamed to 5412,
6.00	circ & cond mud to a 90 vis, 11ppg wt, while building wt started getting heavy returns, with vis @ 92 wt @ 10.5 circ untill shaker screens showed no cuttings, pumped a flush at that time wated for it to return brought back very little
4.00	tooh had crew chain out, hole tight f/4700-4369 no trouble with top part of hole

Report Start Date <b>4/27/2012</b>	Report End Date <b>4/28/2012</b>	Operations Summary wate for 1 hr with bit&collars in surface pipe to see if upper part of hole is falling in. tih 40 ft per min to keep from surgeing hole, top part of hole saw no drag, tagged @ 5335, kellyed up break circ washed through bridge @ 5332, p/u 2 jts w/ kelly run to bottom tagged fill @ 5407 wash to 5412 td, pumped sweep around and got back hvy returns back @ the end of sweep, circ hole for short trip back to 2300', as per bill ordemann orders, vis 87, wt 10.7, wl 5, ph 8, l/d 5 jts d/p cooh @ 40 ft per min to keep from swabing, no drag, tih 40 ft per min to keep from surgeing hole, p/u 5jts d/p make up in drill string run to bottom, saw no drag had no fill, kellyed up break circ @ 5390 had no fill, mix sweep circ around, saw very little cuttings w/ sweep, circ clean hole. to l/d d/p d/c, l/d d/p d/c cooh @ 40' per min to keep form swabing hole, hole seams to be clean no drag
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Dur (hrs)	Comment
1.00	wate for 1 hr with bit&collars in surface pipe to see if upper part of hole is falling in.
3.00	tih 40 ft per min to keep from surgeing hole, top part of hole saw no drag, tagged @ 5335
1.00	kellyed up break circ washed through bridge @ 5332
1.50	p/u 2 jts w/ kelly run to bottom tagged fill @ 5407 wash to 5412 td, pumped sweep around and got back hvy returns back @ the end of sweep
2.00	circ hole for short trip back to 2300', as per bill ordemann orders, vis 87, wt 10.7, wl 5, ph 8
3.00	l/d 5 jts d/p cooh @ 40 ft per min to keep from swabing, no drag
2.00	tih 40 ft per min to keep from surgeing hole, p/u 5jts d/p make up in drill string run to bottom, saw no drag had no fill
2.00	kellyed up break circ @ 5390 had no fill, mix sweep circ around, saw very little cuttings w/ sweep, circ clean hole. to l/d d/p d/c
8.50	l/d d/p d/c cooh @ 40' per min to keep form swabing hole, hole seams to be clean no drag

Report Start Date <b>4/28/2012</b>	Report End Date <b>4/29/2012</b>	Operations Summary change out rams, r/u csg crew, safety meeting. run 128 jts 7" 26# j-55 SET @ 5410 put cmt head on circ 3 bottoms up safety meeting w/halliburton, test lines, cmt 1st stage, spacer #1 - 5 bbls fresh water, 20 bbl mud flush, first stage lead 510 sks @ 12.3 density, 1.95 yield, 10.04 gal/sk, =177.2 bbls mix, h2o 121.9. 1st stage tail 100 sks @ 15.8 density, 1.15 yield, 4.96 gal/sk =20.5 bbls mix, h2o 11.8 bbls, pumped 110 bbls fresh water to get 309 ft above dv tool, total displacement 205.2 bbls got 60 bbls cmt back to surface, first stage lead mixed with 5 lb kol-seal, 125 poly-e-flake, .3%hr-5, first stage tall mixed with .1% halad-r-9, .125 poly-e-flake circ start 2nd stage test lines, spacer 20 bbls fresh water, spacer 20 bbls drilling mud, spacer 20 bbls fresh water, 2nd stage lead 570 sks @ 12.3 density, 1.94 yield +196.9 bbls, mix fluid 10.04 gl/sk, 2nd stage tail 100sk @ 15.8 density, 1.15 yield +20.5 bbls, mix fluid 5 gl/sk, pumped 97 bbls fresh water to displace, good circ through job but got no cmt to surface, calculations based on lift pressure puts cmt 350' to 400' from surface. n/d set slips, cut csg, change out bop n/u
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Dur (hrs)	Comment
2.00	change out rams, r/u csg crew, safety meeting
4.50	run 128 jts 7" 26# j-55 SET @ 5410
1.50	put cmt head on circ 3 bottoms up

**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Rutherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Rutherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Dur (hrs)	Comment
2.00	safety meeting w/halliburton, test lines, cmt 1st stage, spacer #1 - 5 bbls fresh water, 20 bbl mud flush, first stage lead 510 sks @ 12.3 density, 1.95 yield, 10.04 gal/sk, =177.2 bbls mix, h2o 121.9. 1st stage tail 100 sks @ 15.8 density, 1.15 yield, 4.96 gal/sk =20.5 bbls mix, h2o 11.8 bbls, pumped 110 bbls fresh water to get 309 ft above dv tool, total displacement 205.2 bbls. got 60 bbls cmt back to surface, first stage lead mixed with 5 lb kol-seal, .125 poly-e-flake, .3%hr-5, first stage tail mixed with .1% halad-r-9, .125 poly-e-flake
4.00	circ
2.00	start 2nd stage test lines, spacer 20 bbls fresh water, spacer 20 bbls drilling mud, spacer 20 bbls fresh water, 2nd stage lead 570 sks @ 12.3 density, 1.94 yield +196.9 bbls, mix fluid 10.04 gal/sk, 2nd stage tail 100 sks @ 15.8 density, 1.15 yield +20.5 bbls, mix fluid 5 gal/sk, pumped 97 bbls fresh water to displace, good circ through job but got no cmt to surface, calculations based on lift pressure puts cmt 350' to 400' from surface.
6.50	n/d set slips, cut csg,
1.50	change out bop n/u

Report Start Date	Report End Date	Operations Summary
4/29/2012	4/30/2012	n/u bop, kill valves, hcr valve, choke manifold & flow line, test bop blind & pipe rams 250psi low for 5 mins, 2000 psi high for 10 mins, choke manifold 250psi low for 5 mins 2000 high 10 mins, annular 1500 psi for 10 mins, csg 250 psi low 5 mins, 1000 high for 30 mins, change out liners in pump & r/u power swivel hoses, p/u 160 jts d/p out of basket and strap, safety meet w/ blue jet r/u w/l run cbl, tag something @ 2767, cmt top @ 1070, r/d w/l move 5" collars to pipe rack, make up bit bit sub, tih w/10 d/c, 160 jts d/p, tag @ 2794, pick up power swivel, and rig up, break circ @ 2804' drlg cmt 13' cmt, tag dv tool @ 2817 and drlg through it, hang swivel tih w/dp tag @ 5333', p/u swivel break circ drill cmt

Dur (hrs)	Comment
5.00	n/u bop, kill valves, hcr valve, choke manifold & flow line
3.50	test bop blind & pipe rams 250psi low for 5 mins, 2000 psi high for 10 mins, choke manifold 250psi low for 5 mins 2000 high 10 mins, annular 1500 psi for 10 mins csg 250 psi low 5 mins, 1000 high for 30 mins
1.00	change out liners in pump & r/u power swivel hoses
0.50	p/u 160 jts d/p out of basket and strap
2.00	safety meet w/ blue jet r/u w/l run cbl, tag something @ 2767, cmt top @ 1070
1.00	r/d w/l move 5" collars to pipe rack
4.00	make up bit bit sub, tih w/10 d/c, 160 jts d/p, tag @ 2794
1.00	pick up power swivel, and rig up
2.00	break circ @ 2804' drlg cmt 13' cmt, tag dv tool @ 2817 and drlg through it
3.50	hang swivel tih w/dp tag @ 5333
0.50	p/u swivel break circ drill cmt

Report Start Date	Report End Date	Operations Summary
4/30/2012	5/1/2012	drlg 25 ft cmt to shoe, tag shoe @ 5409.50 drill through shoe to 5412 csg point @ td, drlg f/ 5412 to 5417 drlg 5 ft new hole for test, leak off test @ 5417 1000 psi for 15 mins test ( 0k ), drlg f/5417 to 5476 drilling with production water, got oil on shaker, drlg f/5476 to 5600 td, pump sweep didn't get any thing back, hole clean, l/d 7 jts, tooth strap out, safety meeting w/halliburton r/u log hole

Dur (hrs)	Comment
3.50	drlg 25 ft cmt to shoe, tag shoe @ 5409.50 drill through shoe to 5412 csg point @ td
0.50	drlg f/ 5412 to 5417 drlg 5 ft new hole for test
0.50	leak off test @ 5417 1000 psi for 15 mins test ( 0k )
5.50	drlg f/5417 to 5476 drilling with production water, got oil on shaker
6.50	drlg f/5476 to 5600 td
1.00	pump sweep didn't get any thing back, hole clean
0.50	l/d 7 jts
4.00	tooth strap out
2.00	safety meeting w/halliburton r/u log hole

Report Start Date	Report End Date	Operations Summary
5/1/2012	5/2/2012	cont logging well, crew change cont logging, r/d loggers, p/u & m/u under-reamer, ran bit # 5 back in hole under the under-reamer, tih w/ under-reamer, swivel up & start under-reaming @ 5412 wt on under-reamer 1.5 pts to 2.0 pts, 70 rpms., under-reamed f/5412 to 5426, under-ream f/5426 to 5436, wt on under-reamer 1.5 pts to 2.5 pts 75 rpm, if we put more then 2.5 pts on reamer swivel stalls out, reaming going slow at this time.

Dur (hrs)	Comment
2.00	cont logging well
7.00	crew change cont logging,
0.50	r/d loggers
0.50	p/u & m/u under-reamer, ran bit # 5 back in hole under the under-reamer
2.00	tih w/ under-reamer
6.00	swivel up & start under-reaming @ 5412 wt on under-reamer 1.5 pts to 2.0 pts, 70 rpms., under-reamed f/5412 to 5426
6.00	under-ream f/5426 to 5436, wt on under-reamer 1.5 pts to 2.5 pts 75 rpm, if we put more then 2.5 pts on reamer swivel stalls out, reaming going slow at this time



**RESOLUTE**

NATURAL RESOURCES

**Daily Activity Report****Well Name: Ratherford U 0832R**

API Number 43037500250000	Section 8	Township 41S	Range 24E	Field Name Ratherford	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft) 4,613.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft) 0.00	KB-Casing Flange Distance (ft)	Well Spud Date/Time 4/2/2012 08:00	Rig Release Date/Time		

Report Start Date 5/2/2012	Report End Date 5/3/2012	Operations Summary under-ream f/5436 to 5561 wt on reamer 3.5 to 4.0 pts rpm 72 pump # 2 120spm @ 1676 psi, reaming slow @ 1 to 2 ft per hr from 5436 to 5442, got a drlg break @ 5443 to 5445 5 ft per hr, got a good drlg break @ 5448 to 5537 35 to 55 ft per hr., then rop went down to 22' to 30 per hr, crew change under ream f/5561 to 5600 wt on reamer 3.5 to 4.0 pts rpm 70, pump # 2 120spm @ 1690 psi rop 25 to 30 ft per hr, 24 1/2 hrs to under-ream 188ft, ave rop 7.6hr, circ sweep around, shaker screen clean, hole in good shape, l/d 7 jts 3.5 d/p w/ swivel up to shoe. hang swivel tooth, l/d under - reamer, tih to 5600 no drag no fill, r/d swivel, l/d d/p,d/c
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Dur (hrs)	Comment
10.00	under-ream f/5436 to 5561 wt on reamer 3.5 to 4.0 pts rpm 72 pump # 2 120spm @ 1676 psi, reaming slow @ 1 to 2 ft per hr from 5436 to 5442, got a drlg break @ 5443 to 5445 5 ft per hr, got a good drlg break @ 5448 to 5537 35 to 55 ft per hr., then rop went down to 22' to 30 per hr
2.50	crew change under ream f/5561 to 5600 wt on reamer 3.5 to 4.0 pts rpm 70, pump # 2 120spm @ 1690 psi rop 25 to 30 ft per hr, 24 1/2 hrs to under-ream 188ft ave rop 7-6 hrs.
0.50	circ sweep around, shaker screen clean, hole in good shape
0.50	l/d 7 jts 3.5 d/p w/ swivel up to shoe.
3.00	hang swivel tooth
0.50	l/d under - reamer
2.00	tih to 5600 no drag no fill
1.00	r/d swivel
4.00	l/d d/p,d/c

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-368
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Navajo
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>8. WELL NAME and NUMBER:</b> Ratherford Unit 8-32R
<b>3. ADDRESS OF OPERATOR:</b> 1675 Boradway Ste 1950 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 534-4600 Ext	<b>9. API NUMBER:</b> 43037500250000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2016 FNL 1928 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 08 Township: 41.0S Range: 24.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <b>5/21/2012</b>	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION		OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources submits that the well was spud on April 2, 2012. Drilling was completed 4-30-12 and the completion rig moved off the well on 5-17-12. Well has started producing on 5-21-12, with IP of 22 BOPD, 3 MCFD, and 443 BWPD.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 08, 2012

<b>NAME (PLEASE PRINT)</b> Sherry Glass	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr Regulatory Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/5/2012

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: Resolute Natural Resources  
Address: 1675 Broadway, Suite 1950  
city Denver  
state CO zip 80202

Operator Account Number: N 2700

Phone Number: (303) 573-4886

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303750025	Ratherford Unit 8-32R		SWNE	8	41S	24E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A B	99999	6280	4/2/2012		6/1/2012		
Comments: DSCR BHL: SWNE							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Sherry Glass

Name (Please Print)

*Sherry Glass*

Signature

Sr Regulatory Technician

4/5/2012

Title

Date

RECEIVED

APR 11 2012

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
14-20-603-368

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo Nation

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

7. UNIT or CA AGREEMENT NAME  
Ratherford

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER ☐

8. WELL NAME and NUMBER:  
Ratherford Unit 8-32R

2. NAME OF OPERATOR:  
Resolute Aneth LLC

9. API NUMBER:  
4303750025

3. ADDRESS OF OPERATOR:  
1675 Broadway, Ste 195 City Denver STATE CO ZIP 80202

PHONE NUMBER:  
(303) 573-4886

10 FIELD AND POOL, OR WILDCAT  
Greater Aneth

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 2016' FNL, 1928' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
SWNE 8 41S 24E S

AT TOP PRODUCING INTERVAL REPORTED BELOW: 2016' FNL, 1928' FEL

AT TOTAL DEPTH: 2016' FNL, 1928' FEL

12. COUNTY  
San Juan

13. STATE  
UTAH

14. DATE SPUDDED:  
4/2/2012

15. DATE T.D. REACHED:  
4/30/2012

16. DATE COMPLETED:  
5/21/2012

ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):  
4613' GL

18. TOTAL DEPTH: MD 5,600  
TVD 5,600

19. PLUG BACK T.D.: MD  
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

✓ DIL, ✓ CDL

23.  
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)  
WAS DST RUN? NO ☒ YES ☐ (Submit report)  
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
14.75	10.75 J55	40.5	0	1,474		lite 780	261	0-CIRC	
						180	37		
9.875	7 J55	26	0	5,410		510	174	0-CIRC	60
					DV @ 2,700	100	21		
						570	197	350-CALC	
						100	21		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,503							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Desert Creek IIA	5,452		5,452					Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Desert Creek III	5,560		5,560					Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Chimney Rock	5,588		5,588					Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5410-5600	Ppd 5 Bbl FW, 5 Bbls 20% HCl, Ppd 32 Bbl FW flush; wait 30 min.; Ppd 114 Bbl 20% HCl, flush 32 Bbls FW

29. ENCLOSED ATTACHMENTS:

☒ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

Producing

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in Item #25)

DATE FIRST PRODUCED: 5/21/2012		TEST DATE: 5/23/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 22	GAS – MCF: 3	WATER – BBL: 443	PROD. METHOD: pumping
CHOKE SIZE:	TBG. PRESS. 200	CSG. PRESS. 50	API GRAVITY 39.70	BTU – GAS 1,403	GAS/OIL RATIO 136	24 HR PRODUCTION RATES: →	OIL – BBL: 22	GAS – MCF: 3	WATER – BBL: 443	INTERVAL STATUS: open

## INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold to Western Refining

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Cutler	2,700				
Gothic Shale	5,402				
Upper Ismay	5,260				
Desert Creek	5,410				
Chimney Rock	5,595				

## 35. ADDITIONAL REMARKS (Include plugging procedure)

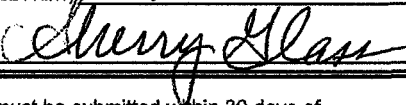
No gyro survey was run; producing interval is 5410' (7" casing set depth) to TD 5600', interval under-reamed to a diameter of 10-3/4" and left open hole (no liner run). Acid applied over entire open-hole section; no perforations.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Sherry Glass

TITLE Sr. Regulatory Technician

SIGNATURE



DATE 6/12/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



The Utah Division of Oil, Gas, and Mining  
- State of Utah  
- Department of Natural Resources

COPY

Electronic Permitting System - Sundry Notices

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-368
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: RATHERFORD
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		8. WELL NAME and NUMBER: Ratherford Unit 8-32R
PHONE NUMBER: 303 534-4600 Ext		9. API NUMBER: 43037500250000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2016 FNL 1928 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 08 Township: 41.0S Range: 24.0E Meridian: S		10. FIELD and POOL or WILDCAT: GREATER ANETH
COUNTY: SAN JUAN		
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="radio"/> NOTICE OF INTENT Approximate date work will start: [ ]	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="radio"/> SUBSEQUENT REPORT Date of Work Completion: 5/21/2012	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="radio"/> SPUD REPORT Date of Spud: [ ]	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="radio"/> DRILLING REPORT Report Date: [ ]	OTHER: [ ]	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Resolute Natural Resources submits that the well was spud on April 2, 2012. Drilling was completed 4-30-12 and the completion rig moved off the well on 5-17-12. Well has started producing on 5-21-12, with IP of 22 BOPD, 3 MCFD, and 443 BWPD.</p>		
The maximum number of characters for the box above is 900. There are 900 Characters remaining.		
NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 6/5/2012	